

This is a digital copy of a book that was preserved for generations on library shelves before it was carefully scanned by Google as part of a project to make the world's books discoverable online.

It has survived long enough for the copyright to expire and the book to enter the public domain. A public domain book is one that was never subject to copyright or whose legal copyright term has expired. Whether a book is in the public domain may vary country to country. Public domain books are our gateways to the past, representing a wealth of history, culture and knowledge that's often difficult to discover.

Marks, notations and other marginalia present in the original volume will appear in this file - a reminder of this book's long journey from the publisher to a library and finally to you.

### Usage guidelines

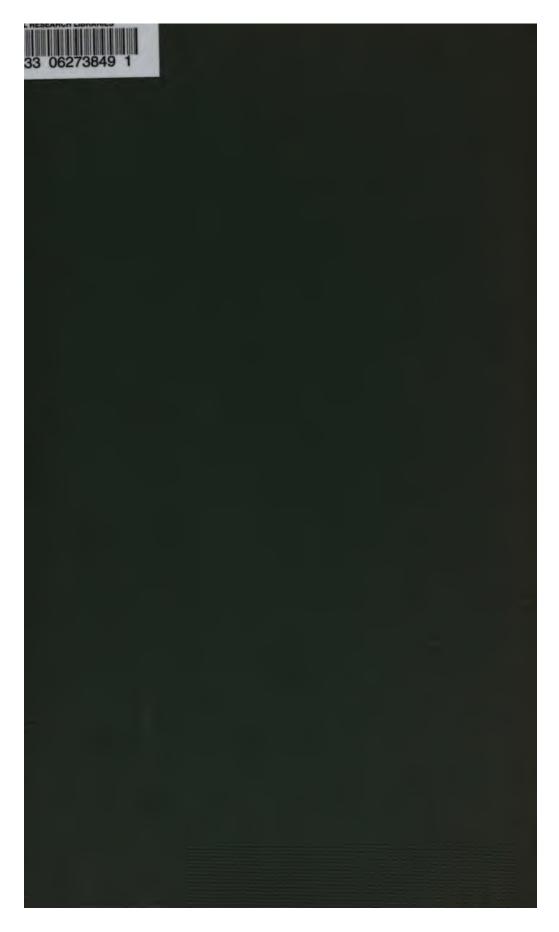
Google is proud to partner with libraries to digitize public domain materials and make them widely accessible. Public domain books belong to the public and we are merely their custodians. Nevertheless, this work is expensive, so in order to keep providing this resource, we have taken steps to prevent abuse by commercial parties, including placing technical restrictions on automated querying.

We also ask that you:

- + *Make non-commercial use of the files* We designed Google Book Search for use by individuals, and we request that you use these files for personal, non-commercial purposes.
- + Refrain from automated querying Do not send automated queries of any sort to Google's system: If you are conducting research on machine translation, optical character recognition or other areas where access to a large amount of text is helpful, please contact us. We encourage the use of public domain materials for these purposes and may be able to help.
- + *Maintain attribution* The Google "watermark" you see on each file is essential for informing people about this project and helping them find additional materials through Google Book Search. Please do not remove it.
- + *Keep it legal* Whatever your use, remember that you are responsible for ensuring that what you are doing is legal. Do not assume that just because we believe a book is in the public domain for users in the United States, that the work is also in the public domain for users in other countries. Whether a book is still in copyright varies from country to country, and we can't offer guidance on whether any specific use of any specific book is allowed. Please do not assume that a book's appearance in Google Book Search means it can be used in any manner anywhere in the world. Copyright infringement liability can be quite severe.

#### **About Google Book Search**

Google's mission is to organize the world's information and to make it universally accessible and useful. Google Book Search helps readers discover the world's books while helping authors and publishers reach new audiences. You can search through the full text of this book on the web at http://books.google.com/













## TWELFTH ANNUAL REPORT

RELATING TO THE REGISTRY AND RETURN OF

# BIRTHS, MARRIAGES, AND DEATHS,

IN

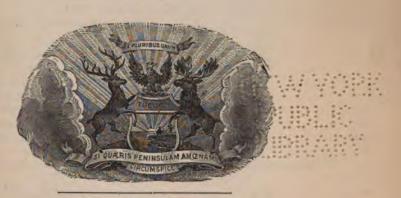
MICHIGAN FOR THE YEAR 1878.

BY THE

## SECRETARY OF STATE

OF THE

STATE OF MICHIGAN.



BY AUTHORITY.

LANSING, MICH.: W. S. GEORGE & CO., STATE PRINTERS AND BINDERS. 1884.

ewo

THENEW YORK
PUBLIC LIBRARY

SGO14

ASTOR, LENOX AND
TILDEN FOUNDATIONS.
1897.

ì

# CONTENTS.

PAGE
Table of Contents, ill-v
Introductory Letter of transmittal by Secretary of State, vii-viii
BIRTHS, MARRIAGES, AND DEATHS;
Births, Marriages, and Deaths in Michigan during the year 1878, ix,-xxi
Births, Marriages, and Deaths, and Excess of Births over Deaths for each of the years
1873-1878,
Statements Concerning Births, Marriages, and Deaths in 1873, 1874, 1875, 1876, 1877, and 1878 x
Births, Marriages, and Deaths, and Excess of Births over Deaths per Quarter, Month,
Week, and Day, xi
Births, Deaths, and Excess of Births, by years, xii
Births, and Marriages, and Deaths in Months of Conceptions of the Births, xiv,-xv
Diagram No. 1, xlv
Comparative Natural Increase of Native and Foreign-born Inhabitants of Michigan, xvi
Births and Deaths, in 1878, Occurring out of Michigan, xvii
Population June 1, 1874, and Marriages, Births, Deaths, and Excess of Births over
Deaths in 1878, by Counties and Sex, xvliixxi
BIRTHS:
In Michigan during the year 1878,
Average by Quarter, Month, Week, and Day, as Returned and as Corrected,
By Quarters, for each of the Years 1873-1878,
By Months, for each of the Years 1873-1878,
Corrections for Omissions in Enumeration, and Manner of,
Relation between Births and Marriages,
By Counties, by Sex, by Months,
By Color, by Sex,
By Counties, the Relation of the Sexes, the Birth-rate by Sex, and the Number, by Color,
by Sex,
By Parent-Nativity,
By Counties, Parent-Nativity, and Sex,
Twins,
Twins, by Parent-Nativity, Color, and Sex,
Twins by Counties, Parent-Nativity, and Sex,
Triplet Children, 1878,
Occupations of Fathers of Twins,
Still-births by Months, Parent-Nativity, Sex, etc.,
Illegitimate Children, by Months, Parent-Nativity, Sex, etc.,

	PAGE.
By Counties, the number of Illegitimate and Still-born Children and Twins,	60
Counties and Townships in which no Births occurred in 1878,	61
Counties and Townships from which no Returns of Births were received for 1878,	62
Sex of Children, by Months of Birth, Months of Conception, as related to Deaths and to	
Illegitimate and Still-born Children, and Twins, by Parent-Nativity,	63-69
MARRIAGES;	
In Michigan during the Year 1878,	70
By Quarters of the Years 1873-1878, as Originally Returned, and as Corrected for Additional	
Returns,	71
By Months Equalized to Uniform Length, for each of the Years 1874-1878,	72
Diagram of Marriages for each of the Years 1876-1878,	73
By Months for each of the Years 1875-1878,	74
By Counties, by Months, for the Year 1878,	75-77
By Color, by Sex,	77
By Counties, by Color,	78-80
By Nativity, by Sex,	81-82
By Age, by Sex,	83
By Age, by Sex, and Excess of the Sexes	90
By Counties, Nativity, Sex, and Age,	84-89
By Counties, by Ages under 21 years,	91-93
By Ages in Periods, by Sex,	94
Disparity of Ages,	95-97
By Counties, for each of the years 1872-1878, as first Returned, and as Corrected for Addi-	
tional Returns, and Relation of Marriages in 1878 to Population,	98-101
By Nativity for Different Foreign Countries, the United States, etc.,	102
	-
DEATHS:	
In Michigan during the Year 1878,	103
By Quarters, for each of the Years 1873-1878,	104
By Months, for each of the Years 1873-1878,	105
By Months and Sex for 1878,	106-107
Corrections for Omissions in the Enumeration,	100-113
Diagram of Deaths by Months, as Returned, and as Corrected,	112
By Periods of Age, by Sex,	114
By Age, by Sex, and Excess of Either Sex,	115-116
By Months, by Periods of Age,	117
By Periods of Age, by Sex, by Months,	118-119
By Age, by Sex, by Months,	20-129
Infant Mortality,	29-131
Diagramatic Table of Deaths of Children under One Year of Age,	30-131
Diagramatic Table of Months of Births and Deaths of Children who Died under One Year	
of Age, 1877-1878,	133
Decedents Aged One Hundred Years and Over,	135
Countles and Townships from which no Returns of Deaths were received for 1878,	136
	37-149
Counties and Townships in which it is Reported that no Deaths Occurred in 1878,	150
By Color, Proportion of the Sexes,	151
	52-154
Nativity and Parent-Nativity of Decedents,	154
	55-157

CAUSES OF DEATH;	PAGE.
Diagram of Deaths from all Causes, and from each Class of Causes, by Months, 1878,	159
Number by Classes, for each of the Years 1874-1878,	158
Number by Classes, by Months, for 1878,	158
Five Groups of Causes for each of the Years 1873-1878,	160
Geographical Divisions of the State,	162
By Divisions of the State, the Per Cent. of Deaths from each Class of Causes,	163
By Counties, by Causes of Death, Classified,	164-193
Specified Causes, by Sex, Months, and Periods of Age,	194-238
By Casualties, Specified,	239
Suicide, Details of, Remarks and Exhibit,	240-242
Principal Causes of Death, Specified, and Details of Special Study of each, 243-247	256-287
Whooping.cough,	247
Certain Meteorological Conditions,	247-255
All Causes of Death, and Meteorological Conditions,	256-257
Specified Causes of Death, and the Coincident Meteorological Conditions,	258-276
Croup and Diphtheria, and Coincident Atmospheric Conditions,	258-260
Cerebro-spinal Meningitis, and Meteorology, Coincident with,	261-262
Congestive Chills and Intermittent Fever, and Coincident Meteorological Conditions, .	263, 265
Typhoid Fever and Coincident Meteorological Conditions,	266
Diarrhea and Coincident Meteorological Conditions,	268-269
Diarrhea and Dysentery, by Geographical Divisions,	270
Rhenmatism and Coincident Meteorological Conditions,	271
Scarlet Fever and Coincident Meteorological Conditions,	272
Consumption,	282-287
Pneumonia, and Coincident Meteorological Conditions,	275-276
Pneumonia, by Months, for 1872-1878,	279
Consumption and Pneumonia Correlated,	282-283
Consumption, Pneumonia, Typhoid Fever, and Intermittent Fever, by Geographical Divis-	
	284-287
Old Age, Decedents Aged 70 years and over, and under 5 years, by Geographical Divisions,	
and by Counties,	288-291
Occupations of Decedents from Consumption,	292-307
Average Age of Decedents and Inhabitants,	308-309
Occupations of Decedents aged 20 years and over,	310-317
Alphabetical Index,	319



# MICHIGAN DEPARTMENT OF STATE, OFFICE OF THE SECRETARY, Lansing, 1884.

HON. JOSIAH W. BEGOLE, Governor of Michigan.

SIR,—I have the honor herewith to submit the Twelfth Annual Report of this Department, relating to Births, Marriages, and Deaths, in accordance with the provisions of the Statute Laws of this State.

As with the Registration Report of Michigan for the year 1877, the principal part of the labor of preparing the Report for the year 1878 had also been performed before the commencement of my term of office.

As in former years, for the convenience of comparison, and to enable a better consideration of its individual questions, the present volume has its principal subjects arranged in divisions. The first presents, collectively, a grouping of the most important data pertaining to Births, Marriages, and Deaths, so arranged as to facilitate immediate comparison. The subject of Births is next singly presented in its numerous details; this being succeeded by the subjects of Marriages and Deaths, each treated in a similar manner. In that division pertaining to Deaths the consideration of the causes of Deaths and also the relation of meteorological conditions for the year to the several causes of deaths are carefully examined.

The number of Births in Michigan in 1878, as shown by the returns, was 35,162, a larger number than ever returned in Michigan in any preceding year. There was, also, returned for that year considerably the largest number of marriages ever solemnized in Michigan in one year, the number being 12,221. With the exception of the month of July, the number of marriages in each month, in 1878, exceeded the monthly average for the same months for a period of nine years, as deduced from data collected in this State. These facts are indicative of the material prosperity of Michigan in 1878. The number of deaths returned in 1878 was less than in 1877, and did not greatly exceed the number of deaths returned for several preceding years.

That the present volume may prove a valuable contribution to the subject of social science, and especially so far as it relates to the welfare of Michigan, is my earnest desire.

Respectfully submitted,

Secretary of State.

## BIRTHS, MARRIAGES, AND DEATHS,

IN MICHIGAN,

DURING THE YEAR 1878.

The number of births, marriages, and deaths, and the excess of births over deaths, for each of the years 1873-1878, may be seen in Exhibit A, the number of births and deaths being shown as returned, and as corrected for omissions in the enumeration. The greatest excess of births over deaths as returned was in 1878; and when the births and deaths are corrected for omissions in the enumeration, the greatest excess is shown to have been in 1874. The average natural annual increase of population as per births and deaths returned during the years 1872-1878 was 19,732; and when the births and deaths are corrected for omissions in the enumeration, the average natural annual increase of population during the years 1872-1878 was 29,099.

EXHIBIT A.—Births, Marriages, and Deaths in Michigan during the Years 1873 to 1878, inclusive, including those in unknown month, and Excess of Births over Deaths, as Returned, and after they have been Corrected for Omissions in the Enumeration.

		1873.	1874.	1875.	1876.	1877.	1878.
d.	Marriages	11,873	12,211	11,703	11,610	11,009	12,221
Returned.	Births	34,608	31,151	31,958	34,235	33,395	35,162
Ret	Deaths	14,258	12,500	11,990	12,576	12,919	12,766
*	Excess of Births over Deaths	20,350	18,651	19,968	21,659	20,476	22,396
20.00	( Births	45,088	55,841	46,553	45,172	50,203	52,145
As Cor- rected for Omissions.	Deaths	20,312	20,090	17,289	18,389	18,341	18,866
rect	Excess of Births over Deaths	24,776	35,751	29,264	26,783	31,862	33,279

<sup>.</sup> Corrected, for additional returns, up to December 20, 1870.

Many important statements concerning births, marriages, and deaths, in this State may be found in Exhibit B. It may be seen that in the column for 1878 the numbers are generally less than in that for 1877 wherever the number of inhabitants is a factor in the computation, and it should be borne in mind that, while the population of the State is increasing, the population in 1874 was used in computing statements for this column, and allowance is, therefore, not made for the increase of population, and this will probably explain the general decrease in the numbers for 1878.

The average natural daily increase of population as per births and deaths returned was, during the years 1872-1878, 54.04 years, and when the births and deaths are corrected for omissions in the enumeration, the average natural

daily increase of population, for the years 1872-1878, was 79.70 years.

EXHIBIT B.—Statements concerning Births, Marriages, and Deaths in Michigan during the Years 1873-1878, inclusive. (According to the Returns of Births, Marriages, or Deaths, as the case may be, except some correction is mentioned.)

	1873.=	1874.n	1875,b	1876, 6	1877.ъ	1878,6
Inhabitants represented by returns of marriages to one marriage	99.54	96.70	112.91	112.92	114.30	109.10
In population represented by marriages, males to	51.97	50.48	59.01	59.01	59,73	57.05
one marriage In population represented by marriages, females to one marriage	47.58	46.22	53.90	53.91	54.57	52.11
Male inhabitants at ages at which marriages oc-	31.79	30.89	d	- d	d	d
curred to one marriage.  Female inhabitants at ages at which marriages occurred to one marriage.	32.30	30.32	d	a	d	a
nhabitants represented by births to each child returned.	34.07	37.89	41.52	38.56	39.82	37.78
Inhabitants, males to each male child returned	34.35	37.84	41.98	38.86	40.33	38.09
nhabitants, females to each female child returned	33,90	38.08	41.24	38.38	39.42	37.6
Inhabitants, females aged 16 to 45 to each child	7.32	8,16	d	d	d	4
Children born to 100 females aged 16 to 45	13.66	12.25	d	d	d	4
Inhabitants represented by deaths to one death	20100	02,00			102,28	-
	82.46	93.77	110.25	104.74	1000	103.3
Inhabitants, males to one death of male	80.16	91.76	107.09	101.84	101.08	103.8
nhabitants, females to one death of female	85.34	96,59	115.14	109.21	104.51	103,6
Deaths, males to 100 females	116.10	114.83	117.58	117.27	113.03	109.0
Births, males to 100 females	107.67	109.88	107.43	108.05	106.94	108.0
Cotal population of State, males to 100 females	109.22	109.22	109,47	109.47	109.47	109.4
Births to one death	2.43	2.49	2.67	2.72	2.58	2,7
Births, males to one death of male	2.34	2.44	2.56	2.63	2.52	2.7
Births, females to one death of female	2,52	2.55	2.80	2.85	2.67	2.7
not stated	68.00	49.00	82.00	56.00	59.00	67.0
decedents of which the sex was unknown or not stated	17,00	31.00	58.00	59.00	52,00	52.0
Atural daily increase of population, as per births and deaths returned Atural daily increase of population, when returns	55.76	51.10	54.71	59.34	56.10	61,3
are corrected as in 4th line of Exhibit A, page 5, and exhibit C, page, 109.	67.88	97.95	80.17	73.38	87.29	91.1

In computing statements for this column, the inhabitants, June 1, 1870, were used.
 In computing statements for this column, the inhabitants in 1874 were used.
 Marriages, corrected for additional returns up to December 20, 1879.
 Population for 1874, by ages, cannot be ascertained.

Table I. shows the number of births, marriages, and deaths in Michigan in 1878 during certain specified periods of time. The births and deaths are shown as returned and as corrected for omissions in the enumeration. Using the number of births, marriages, and deaths which probably occurred in 1878, according to the corrections, the computation shows that, in round numbers, one child was born every 10 minutes, one marriage solemnized every 40 minutes, and one person died every 30 minutes, in this State.

TABLE I .- The number of Marriages, Births, and Deaths, and Excess of Births over Deaths in the State of Michigan during the Year 1878, and the Average Number and Excess during Specified Periods of Time within the Year 1878, as Returned, and the same for Births and Deaths as Corrected for Omissions in the Enumeration.

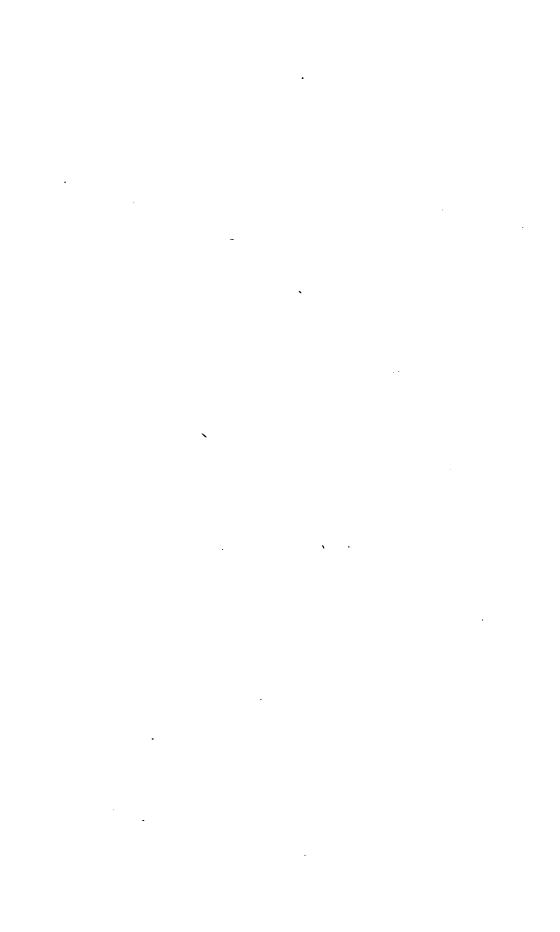
	PERIODS OF TIME,—1878.	Marriages, 1878.	Births, 1878.	Deaths, 1878.	Excess of Births over Deaths.
1	Year, 18784	12,221.00	35,162.00	12,766.00	22,396.00
ŀ	Quarter	3,055.25	8,790.50	3,191.50	5,599.00
1	Month	1,018.42	2,930.17	1,063.83	1,866.3
1	Week	235.02	676.19	245.50	430.68
l	Day	33.48	96.33	34.98	61.3
5	Year, 1878*		52,145.00	18,866.00	33,279.00
ŀ	Quarter		13,036.25	4,716.50	8,319.70
1	Month		4,345.42	1,572.17	2,773.20
1	Week		1,002.79	362.81	639.98
l	Day		142.86	51.69	91.17

Unknown month included.
 Corrected as if enumerated in months of occurrence.

EXHIBIT 1.—By Months, the Births, Deaths, and Excess of Births over Deaths in Michigan during each of the Years 1873 to 1873, inclusive, according to the Returns.

		The same				4		MONT	THS.					
		TOTAL.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec
	Births	34,538	2,112	2,249	2,847	2,711	2,794	2,599	2,015	3,342	3,436	3,165	3,017	3,351
1873	Deaths.	14,189	828	1,104	1,248	1,174	1,121	1,040	1,176	1,535	1,471	1,258	1,067	1,136
	Excess of births	20,349	1,253	1,145	1,599	1,537	1,673	1,559	1,739	1,807	1,965	1,907	1,950	2,215
7	Births	31,106	1,899	1,954	2,462	2,464	2,586	2,558	2,761	3,077	2,973	9,726	2,726	2,993
1874	Deaths	12,454	655	679	919	1,102	1,071	998	965	1,388	1,517	1,211	896	1,120
	Excess of births	18,652	1,944	1,282	1,543	1,862	1,515	1,692	1,796	1,689	1,455	1,515	1,758	1,801
	Births	81,898	2,089	2,121	2,415	2,710	2,799	2,530	2,725	8,103	3,081	2,819	2,727	2,856
1875	Deaths	11,919	736	868	1,045	1,003	1,022	808	803	1,222	1,219	1,080	928	1,065
	Excess of births	976,61	1,353	1,223	1,370	1,707	1,700	1,722	1,832	1,881	1,862	1,739	1,799	1,791
	Births	34,131	2,283	2,352	2,744	2,730	2,870	2,739	3,014	8,124	3,110	3,039	2,921	3,205
1876	Deaths	12,545	685	800	975	978	020	855	1,079	1,507	1,423	1,131	686	1,153
	Excess of births.	21,586	1,598	1,552	1,769	1,752	1,900	1,884	1,935	1,617	1,687	1,908	1,932	2,052
	Births	33,324	2,212	2,246	2,690	2,655	2,683	2,657	2,899	3,227	3,048	3,015	2,847	8,145
7	1877   Deaths	12,863	766	843	990	876	976	875	1,040	1,559	1,400	1,221	1,060	1,155
	Excess of births.	20,461	1,446	1,403	1,700	1,677	1,707	1,782	1,859	1,668	1,648	1,794	1,787	1,090
	Births	35,130	2,201	2,414	2,836	2,937	2,805	2,797	2,835	3,295	3,260	3,266	3,061	3,423
1878	Deaths.	12,742	730	789	930	1,029	923	870	1,017	1,371	1,343	1,190	1,181	1,360
	Excess of births.	22,388	1,471	1,625	1,906	1,908	1,882	1,927	1,818	1,924	1,917	2,076	1,880	2,054
nthlyav	Monthly averages of excess for 1872 to 1878, inclusive	19,720	1,362	1,339	1,592	1,579	1,668	1,714	1,763	1,666	1,656	1,721	1,772	1,886

a Unknown month excluded.



0 .	month	of to	ith a	I tob	A Trion	thirt	conceb	tions 1	n fol	1372	L'hatto
fum-	20	the second	1 12 4		St. III	3	3 3 6	3	2 10	- 7	5
Er.*	\$ 8	3	20	2 4	30	and a	300	3 of	3- 6	2	0 %
E	100	0 1		1 7	1	1	1	1:0	2.0	) 1	2 0
4,900	-	1	1	-		1- 1		111	1 1 13	10	t wasyes
4,800	6	10000	bose	6	the second	100	4 - 100	100	HULLIAN	2400	A STITLE
4,700	2 100	1 37,64	4	B	1 1194		4	197	1,7194	4.4/4.1	A AAAA
4,600	5 herri	Brown	1	· Es		1	1000	4	10.4	TAP A	2
4.400	3	1. Ju	14 9	Tec 8	-		100	31	Pa	10.	A Michael
4,300	1	800-	ar	9	Ca/18,	78.	13/		1		A 10.100 B
4,200	1/	1100		2.5	den	Cipe	/	1 - 0.1	1	7	
4,100	1//	-	100	1	/	10.	1	11111	11.00	1	1
4,000	1		-	-		1	1	0.00	111	Yo -	19 000
3,900	1						1	1	Carrel	15	Top of
3,800	3	10	litte	in 18	777000	1 187	V 71101	riages	121	1.	1
3,700	2 (1970)			and			unde	100	lears 1	m/	- x-1114
3,600	1 1 7 11		onthe	0 1		tions	0-0		Piri	- 1	FWA EE
3,400		an	id D	caths	bou	rected	for	· Ome	ssign	13,	AL AL
3,300	7 74		l mon	iths a		lized.		ifon	n long	th.	To design
3,200			. Tul	geria	ge1 9	orrec			rddl-		Samuel
3,100	-	to	onal	rel	ums	rep.	to 9	Ecem	ben	1	444
3,000		120	2,187	9:1		1			orth.	-	E STANKE
2,900	-	-									FAGE
2,800							1	Separate Separate	1 1 1 - 1	1. 18. 1. 1. 1.	COLUMN TO SERVICE
2,000	100	Sex 15		6)			1	2 30	1	interior.	1/1/1/19
3	er.	1	1. 1	30 3	1	1. 4		1	3		
	Mer.	O. C.	Calles.	L's	1	Oct .		000	Ogni.	19	Tay Car
2,400	Mer.	O. C.	Carley.	L'ali	1	Oct.	Hour	6	0	100	2 2
2,400	Mer.	0	Carlin.	L'S	1	Oct.	Nor	000	Com	000	W. Co.
2,400	Then.	0	Carles.	2	1	1. John 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	None	6	0	0	West Was
2,400	Mer.	0	Carlin.	The state of the s	4	200	Prost	6	0	9	3 76%
2,400 2,300 2,200 2,100 2,000 1,900		11111		The state of the s		John Control	Mark	6		100	1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
2,400 2300 2,200 2,100 2,000 1,900 1,800					1	100	Marie		0	100	3 764
2,400 2,300 2,200 2,100 2,000 1,900 1,900 1,800		11111			4	100	Nor			100	
2,400 2300 2,200 2,200 1,900 1,900 1,800 1,700 1,600		11111				100	Post			0	
2,400 2300 2,200 2,100 2,000 1,900 1,900 1,700 1,600 1,500		11111			1	1	Post				
2,400 2300 2,200 2,100 2,000 1,900 1,900 1,500 1,500 1,500					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	100	No.	Urz	0		
2,400 2300 2,200 2,100 2,000 1,900 1,900 1,700 1,600 1,500		11111			1 4,7	100	871	D722	0		
2,400 2,300 2,200 2,000 1,900 1,900 1,500 1,500 1,500 1,500	10000 10000000000000000000000000000000	1001	100 110	7			1811	IV22	O		
2,400 2,300 2,200 2,200 1,900 1,900 1,800 1,500 1,500 1,500 1,500 1,200 1,000		SAMONE CONTRACTOR			1 4,7	100	1877	1878.	O O O		
2,400 2,300 2,200 2,200 1,900 1,900 1,800 1,500 1,500 1,500 1,500 1,200 1,000	10000 10000000000000000000000000000000	Medical Control of the Control of th	100 110		1 4,7	100	1811-	D722 1878.	0000		
2,400 2,300 2,200 2,200 1,900 1,900 1,500 1,500 1,500 1,500 1,500 1,00 1,	10000 10000000000000000000000000000000	SAMONE CONTRACTOR	100 110		1 4,7	100	1877	1878.	Ogen		
2,400 2,300 2,200 2,200 1,900 1,900 1,500 1,500 1,500 1,500 1,500 1,500 1,000	The state of the s	Medical Control of the Control of th	100 110		1 4,7	100	1871	1878.	30,00		
2,400 2300 2,200 2,200 1,900 1,900 1,800 1,700 1,500 1,500 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,200 1,500 1	The state of the s	When the stringer	100 110		1 4,7	100	1877-	1878.			
2,400 2,300 2,200 2,200 1,900 1,900 1,500 1,500 1,500 1,500 1,500 1,200 1,200 1,00 1,200 1,00 1,00 1,00	The state of the s	White the state of	100			100	1877-	1878. 1878.	A.7.(1		
2,400 2,300 2,200 2,200 1,900 1,900 1,500 1,500 1,500 1,000 1,500 1,000	The state of the s	White the state of	100				1877-	1878.	A.7.(1		
2,400 2,300 2,200 2,200 1,900 1,900 1,500 1,500 1,500 1,500 1,500 1,200 1,200 1,00 1,200 1,00 1,00 1,00	The state of the s	White the state of	100				1877-	IP32 IB78.	A.7.(1		

EXHIBIT 2 .- Births in Michigan, by Months, during the Year 1878, and Marriages and Deaths during the Months of Conception of same, showing the Births and Deaths as Returned, as Corrected for Omissions in Enumerating, and Equalized for Increase of Population during the Year,—all Months Equalized to Uniform length of 30.44 days.

							Mos	THS	,-187	8.				
	Total,a	Jan.	Feb.	Mar.	Apr.	May.	June,	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Av. Mo.
Births, 1878, equal- ized to months of uniform length	35,144	- 2,162	2,624	2,785	+ 2,980	2,755	- 2,838	- 2,784	+ 3,236	+ 3,307	+ 3,207	+ 3,105	+ 3,361	2,928.67
Births, 1878, correct- ed for omissions in enumerating, and equalized to months of uniform length.	52,178	3,811	+	+ 4,645	+ 4,829	- 4,331	4,328	4,112	+ 4,625	+	4,278	3,995	4,163	4,348.17
				3	IONT	нв,-	1877		*		3	1878.		
		Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Av. Mo.
Marriages, b equal-{ ized to months of uniform length	11,867	947	884	740	908	- 758	+ 1,103	+	+	+ 1,235	+	931	972	088,00
Deaths, equalized ( to months of uni- form length	12,708	992	958	888	1,021	+	+ 1,421	+ 1,190	+	+	717	858	914	1,059.0
Deaths, corrected for omissions in enumerating, and equalized to months	18,283	+	1,441	1,298	1,450	+ 2,109	+	+	1,346	1,372	1,272	1,481	+	1,523,5
of uniform length. [ Deaths, corrected and equalized, equalized to months of uniform length	18,697	+	1,482	1,329	1,481	+ 2,147	+	+	1,356	- 1,877	1,326	1,538	+	1,558,0

a Excluding unknown month.
b Corrected for additional returns up to Dec. 20, 1879.

c-1878.

EXHIBIT D.—Grouping the Evidence of the Vital Statistics on the subject of the Comparative Natural Increase of Native and of Foreign-born Inhabitants of Michigan, by Excess of Birtles over Deaths, according to the Returns, the Evidence Exhibited Covering the Years 1873 to 1878, inclusive.

	Both Perents of Chil- dren Foreign. Deaths of Foreign-born.	11,992 4 2,237 9,755
1878.	Both Parents of Chil- dren Mative, Deaths of Mative-born,	16,323 c 10,183 6,140
	Total.	* 35,162 b 12,766 22,396
	Both Parents of Chil- dren Foreign, Deaths of Foreign-born,	11,557 42,251 9,306
1877.	Both Parents of Chil- dren Native, Deaths of Native-born.	15,270 • 10,305 4,965
	Total.	a 33,295 b 12,919 20,476
	Both Perents of Chil- dren Foreign. Deaths of Foreign-born.	11,901 4 2,078 9,823
1876.	Both Parents of Chil- dren Native, Deaths of Native born.	15,551
	Total	A 34,235 b 12,576 21,659
	Both Parents of Chil- dren Foreign. Deaths of Foreign-born.	
1875.	Both Parents of Chil- dren Mative-born.	14,926
	Total.	8 31,958 11,990
	Both Parents of Chil- dren Foreign, Deaths of Foreign born.	11,946 * 31,151   13,341   10,517 * 31,858   14,226   11,120   2,334 b 12,500 c 9,887 d 2,128 b 11,990 c 9,573 d 2,106   9,612   15,651   3,404   8,889   19,968   4,653   9,014
1874.	Both Farents of Chil- dren Mative-born.	13,341
	JaioT	13,151 12,500 18,651
	Both Parents of Chil- dren Foreign. Deaths of Foreign-born.	11,946 d 2,334 9,612
1873.	Both Parents of Chil- dren Native, Deaths of Native-born,	000
	Total.	a 34,608 b 14,248 20,360
	BIRTHS, DEATHS, AND EXCESS OF BIRTHS.	Births by parent a 34,603 Beaths, by nativ- liy- Excess of births over deaths 20,360 4,60

Includes children of mixed parentage and those where the nativity of one or both parents is unknown.
 Includes deaths of persons of unknown nativity.
 Includes all deaths of persons born in the United States, whether born of native or of foreign born parents.
 Includes only persons who were born in foreign countries.

The evidence of the Vital Statistics for the years 1873-1878, on the subject of the comparative natural increase of popu-This increase (the excess of births over deaths) is very much greater among the It should be borne in mind that most of the infants and young children who die in this State are native-born, and it is among them the death-rate is proportionately very large. lation in Michigan is shown in Exhibit D. foreign-born than among the native-born.

EXHIBIT E.—Showing, for the State and Counties of Michigan, the Number of Births and Deaths returned to this Department as having occurred out of Michigan during the year 1878.

om a m Talanta Colliming	18	78.	COLLAMA	18	78.
STATE AND COUNTIES.	Births.	Deaths.	COUNTIES.	Births,	Deaths
STATE	271	75	Kalkaska	3	
Alcona	7		Kent	13	(
Allegan		2	Lapeer	4	
Alpena	2		Leelanaw	2	
Antrim.	1	2	Lenawee	12	
Barry	1	1	Livingston	2	
Bay	12	4	Macomb	4	
Benzie	1		Manistee	2	
Berrien	8		Mason	3	} :
Branch	4	1	Mecostu	3	
Calhoun	5	2	Menominee	4	
Cass	4	4	Midland	5	
Charlevoix	2		Monroe	1	:
Cheboygan	4		Montcalm	10	
Clinton	9		Muskegon	4	:
Delta	1		Newaygo	3	
Eaton	8	2	Osceola	8	
Genesee	6	1	Saginaw	12	'
Grand Traverse	2		Sanilac	9	
Gratiot	4		Shiawassee	4	
Houghton	6	2	St. Clair	13	
Huron	6		St. Joseph	4	
Ingham	6		Tuscola	5	ļ
Ionia	5	1	Van Buren	5	
Isabella	1	i	Washtenaw	8	
Jackson	12	1	Wayne	14	1
Kalamazoo	4	1	Wexford	3	

TABLE II.—Exhibiting, by Sex, the Population in 1874, the Number of Marriages, Births, and Deaths, and the Excess of Births over Deaths, in Michigan during the Year 1878, according to the Returns.

STATE	Port	POPULATION, 1874.	874.			BIRTHS, 1878.	, 1878.			DEATH	DEATHS, 1878.		Excess	EXCESS OF BINTES OVER DEATHS.	IS OVER I	PEATHS.8
AND		S	SEX.	Marriages, 1878.			SEX.				Sux.				SEX.	
COUNTIES.	Total.	Males.	Females.		Total.	Males,	Fe- males.	Un- known.	Total.	Males.	Fe- males.	Un- known.	Total.	Males.	Fe- males.	Un- known.
STATE	1,334,031	697,184	636,847	12,221	35,162	18,224	16,871	19	19,766	6,632	6,082	52	22,396	11,592	10,789	15
Alcona	1,214	889	959	9	3.4	15	19		19	13	9	-	15	04	13	
Allegan	32,381	16,976	15,405	275	813	609	403	1	278	139	138	1	535	270	365	-
Alpena	4,807	808'5	1,999	90	194	108	80	-	09	36	83	1	184	52	62	-
Antrimb	3,002	1,654	1,348	25	90	45	45		85	18	15		10	12	30	********
Baraga		************		1	24	31	89	***************************************	553	6	14		31	65	6	-
Barry	22,051	11,588	10,463	212	489	253	929		139	63	70	-	343	190	153	***************************************
Bay	24,832	13,657	11,175	246	920	451	469		247	149	100		673	808	364	
Benzie	2,663	1,422	1,241	21	84	43	17		13	6	9		11	34	22	-
Berrien	35,020	17,949	17,087	422	177	397	872	61	313	191	150	01	468	936	999	
Branch	25,726	13,041	12,685	310	482	514	237	1	507	109	76	1	878	135	143	
Calhoun	35,655	18,156	17,499	321	162	586	293	69	006	126	131	00	334	173.	162	-1
Cass	20,525	10,592	9,933	202	447	234	213	-	223	116	101		955	118	106	-
Charlevoix	2,360	1,280	1,080	68	118	63	22	-	85	18	14		98	45	41	***************************************
Cheboygan	3,070	1,706	1,364	40	190	49	0.2	1	11	85	88	1	69	11	000	
Chippewad	2,170	1,999	848	21	66	47	52	-	41	83	16	-	98	55	98	
Olare	1,354	745	609	16	80	36	44	-	20	10	6	-	09	96	35	-1
Clinton	23,661	12,162	11,499	855	615	315	300	-	247	125	193		368	190	178	
Crawford					123	9	1	-	*	00	1	-	6	00	9	
Delta	4,741	2,882	1,859	43	191	85	7.0		42	88	11		110	72	99	-

Eaton	706,0g	13,875	13,032	995	605	296	300	7	273	120	148		333	170	161	-
Emmet	1,272	000	809	250	104	20	63	1	99	98	30		88	14	53	-
Genesco	34,568	17,536	17,032	102	708	377	391	-	306	149	751		462	855	234	
3ladwin	202	115	120	7	18	10	00	-	-	10	61		п	10	9	
Grand Traverse	5,849	2,801	2,548	650	148	84	19		67	- 20	8	-	66	19	23	
Gratiot	13,880	7,304	6,582	133	416	5000	193	-	III	20	19		302	173	132	
Hillsdale	31,566	15,971	15,595	371	019	264	976	-	288	146	142	-	222	118	101	
Houghton	19,030	11,013	8,017	100	914	698	442	00	263	155	105	60	651	314	337	
Huron	196,11	6,614	5,350	120	929	208	272	-	101	54	13	-	469	116	222	-
ngham	29,193	15,204	13,980	395	593	312	980	1	193	106	87	-	400	206	193	1
lonia	28,376	14,788	13,588	978	691	316	304	#	230	111	115	1	391	202	180	
loscof	4,575	2,706	1,869	99	68	330	8		55	83	19		16	9	10	
Isabella	6,059	8,273	2,786	26	950	911	113		72	49	26		154	19	87	
Isle Royalh	*	*				-		-		-	-			-		
Jackson	87,988	19,853	18,135	358	622	411	368	-	347	190	101	-	432	221	211	
Kalamazoo	82,284	16,583	15,701	302	203	325	796	1	281	144	136	1	312	181	131	
Kalkaskae	1,259	603	299	30	90	81	37	-	18	6	8	-	48	20	88	
Kent	62,671	32,576	30,095	629	1,631	829	708	+	260	266	201	60	1,071	2993	202	1
Keweenaw	5,411	3,233	2,178	98	606	141	126	o1	55	30	21	1	217	111	105	1
Luke	1,813	1,015	798	16	689	88	38	**********	250	00	14		47	22	65	

The figures with the minus sign placed before them indicate the excess of deaths over births.
 No returns of deaths from the township of Central Lake.

. The population of Baraga county is included in population of Houghton county, and cannot be ascertained.

. The population of Crawford county is included in population of Kalkaska county and cannot be ascertained. No returns of births nor deaths from the townships of Detour and Sugar Island

The population of Crawford county is included in population of Kalkaska county and No returns of deaths from the township of Oscoda.

No returns of births from the township of Rolland. Returns of deaths received too late for compilation.

" No returns of births, marriages, nor deaths.

EXHIBIT D.—Grouping the Evidence of the Vital Statistics on the subject of the Comparative Natural Increase of Native and of Foreign-born Inhabitants of Michigan, by Excess of Births over Deaths, according to the Returns, the Evidence Exhibited Covering the Years 1873 to 1878, inclusive.

1	DEATHS, DEATHS, AND EXCESS OF BIRTHS. Total.	nativity a 34,608 1 ceaths, by native b 14,248 c 1 fty
873.	Both Parents of Chill- dren Native. Deaths of Native-born. Both Parents of Chill- dren Foreign. Deaths of Foreign-born.	16,202 11,946 11,600 d 2,334 4,602 9,612
	JaioT	, *31,151 ; *12,500 ; 18,651
1874.	Both Parents of Chil- dren Marive, Deaths of Marive-born,	13,341 b 789,6 3,404
N	Both Parents of Chil- dren Foreign. Deaths of Foreign-born.	10,517 a 2,128 b 8,389
1	Total, Both Parents of Chil-	31,958 1 11,990 °
1875.	dren Native-born.	14,226 9,573 4 4,653
1	Both Parents of Chil- dren Foreign. Deaths of Foreign-born.	2,106
	.fetoT	* 34,235 b 12,576 21,659
1876.	Both Parents of Chil- dren Native. Deaths of Mative born.	15,551 - 10,147 5,404
	Both Perente of Chil- dren Forelgn. Deaths of Forelgn-born.	11,901 4 2,078 9,823
	Total.	a 33,395 b 12,919
1877.	Both Parents of Chil- dren Mative, Deaths of Mative-born.	15,270 - 10,305 4,965
	Both Parents of Chil- dren Foreign. Deaths of Foreign-born.	11,557
	.laioT	* 35,162 b 12,766 22,396
1878.	Both Parents of Chil- dren Mative. Deaths of Mative-born.	16,323
	Hoth Parents of Chil- dren Foreign, Deaths of Foreign-born,	11,992 4 2,237 9,755

Includes children of mixed parentage and those where the nativity of one or both parents is unknown.
 Includes deaths of persons of unknown nativity.
 Includes all deaths of persons born in the United States, whether born of native or of foreign-born parents.
 Includes only persons who were born in foreign countries.

The evidence of the Vital Statistics for the years 1873-1878, on the subject of the comparative natural increase of popu-This increase (the excess of births over deaths) is very much greater among the It should be borne in mind that most of the infants and young children who die in this State are native-born, and it is among them the death-rate is proportionately very large. foreign-born than among the native-born. lation in Michigan is shown in Exhibit D.

EXHIBIT E.—Showing, for the State and Counties of Michigan, the Number of Births and Deaths returned to this Department as having occurred out of Michigan during the year 1878.

OMAME AND COUNTIES	18	78.	COUNTIES.	18	78.
STATE AND COUNTIES.	Births.	Deaths.	COUNTIES.	Births,	Deaths
3TATE	271	75	Kalkaska	8	
Alcona	7		Kent	13	(
Allegan		2	Lapeer	4	
Alpena	2		Leelanaw	2	
Antrim	1	2	Lenawee	12	
Barry	1	1	Livingston	2	
Зау	12	4	Macomb	4	. ,
Benzie	1		Manistee	2	
Berrien	8		Mason	8	
Branch	4	1	Mecostu	3	
Calhoun	5	2	Menominee	4	
Cass	4	4	Midland	5	
Charlevoix	2		Monroe	1	,
Cheboygan	4		Montcalm	10	
Clinton	9		Muskegon	4	İ
Delta	1		Newaygo	3	
Eaton	8	2	Osceola	8	
Genesee	6	1	Saginaw	12	}
Grand Traverse	2		Sanilac	9	<u></u>
Gratiot	4		Shiawassee	4	
Houghton	6	2	St. Clair	13	
Huron	6		St. Joseph	4	
ngham	6		Tuscola	5	
onia	5	1	Van Buren	5	
[sabella	1	li	Washtenaw	3	
Jackson	12	1	Wayne	14	,
Kalamazoo	4	1	Wexford	3	

TABLE II.—Exhibiting, by Sex, the Population in 1874, the Number of Marriages, Births, and Deaths, and the Excess of Births over Deaths, in Michigan during the Year 1878, according to the Returns.

STATE	Popu	POPULATION, 1874.	874.			BIRTHS, 1878.	8, 1878.			DEATH	DEATHS, 1878.		Excuss	EXCESS OF BIRTHS OVER DEATHS.4	IS OVER ]	DEATHS.
AND		S	SHX.	Marriages, 1878.			SEX,				SEX.				SEX.	
COUNTIES.	Total.	Males.	Females.		Total.	Males.	Fe- males.	Un- known.	Total.	Males.	Fe- males.	Un- known.	Total.	Males.	Fe- males.	Un- known.
STATE	1,334,031	697,184	636,847	12,231	35,162	18,224	16,871	19	12,766	6,632	6,082	23	22,396	11,592	10,789	15
Alcona	1,214	888	526	9	34	15	10		19	13	9		15	01	13	
Allegan	32,381	16,976	15,405	273	813	400	403	1	278	139	138	1	335	270	202	
Alpena	4,807	2,808	1,999	10	101	108	38	+	00	36	83	1	134	72	62	-
Antrimb	3,002	1,654	1,348	220	90	45	45	***************************************	33	18	15		19	27	30	
Baraga				-	70	31	65		834	6	14		31	87	9	-
Barry	92,051	11,588	10,463	212	482	253	929		139	83	76	-	343	190	153	-
Bay	24,832	13,657	11,175	246	920	451	691		247	142	105		673	309	364	
Benzie	2,663	1,422	1,241	12	84	3	41		13	6	*		11	150	37	
Berrien	35,029	17,942	17,087	422	111	397	372	04	313	191	150	01	458	236	999	-
Branch	925,726	13,041	12,685	310	485	576	237	1	204	109	94	1	278	135	143	
Calhoun	35,655	18,156	17,499	321	762	666	293	G4	580	126	131	00	334	173	102	7
Cass	20,525	10,592	886'6	202	1447	234	213	-	223	116	107		957	118	106	-
Charlevoix	2,360	1,280	1,080	8	118	63	92	-	67	18	14		98	45	41	-
Oheboygan	8,070	1,706	1,364	90	120	67	70	1	11	35	88	1	69	11	950	
Chippewad	2,170	1,992	876	12	66	47	55	-	41	25	16	-	28	83	36	
Olare	1,354	745	600	16	80	36	17		30	10	6	1	09	98	355	7
Olinton	28,661	19,163	11,499	228	615	315	300		242	125	193		368	190	178	-
Crawford		-			13	9	7		7	00	1		6	60	9	
Delta	1771	688 6	1.850	67	101	00	02		207	200			200		-	

xix

Eaton	706,92	13,875	13,032	266	605	202	300	1	273	125	148		332	170	191	1
Emmet	1,272	600	603	23	101	20	53	1	99	36	30	-	83	14	88	1
Genesee	34,568	17,536	17,032	301	708	377	391		306	149	157		462	878	234	
Gladwin	202	145	120	*	18	10	00	-	1	20	63		11	10	9	
Grand Traverse	5,349	2,801	2,548	56	148	84	19		69	- 30	88		66	64	355	
Gratiot	13,886	7,304	6,582	133	416	855	193	-	ш	20	61		305	173	132	
Hillsdale	31,566	15,971	15,595	37.1	510	308	946	-	288	146	142	-	999	118	104	-
Houghton	19,030	11,013	8,017	159	914	469	448	00	263	105	105	80	199	314	337	
Haron	11,964	6,614	5,350	130	570	208	272		101	99	47		469	244	222	
Ingham	29,193	15,204	13,989	395	503	312	080	1	103	106	87		400	206	193	1
Ionia	98,376	14,788	13,588	976	621	316	304	1	230	114	115	1	391	506	189	
Toscof	4,575	2,708	1,869	46	89	33	53		55	88	119		16	9	10	
Isabellag	6,059	8,273	2,786	90	229	116	113	-	120	49	26	***************************************	101	2.9	87	
Isle Royalb	4	7			-	-	-	-		-	-		-		-	
Jackson	82,988	19,853	18,185	828	977	111	898	-	347	190	157	******	432	221	211	
Kalamazoo	32,284	16,583	102,21	303	203	325	267	1	281	144	136	1	319	181	131	
Kalkaska	1,259	602	292	30	99	8	87		18	6	6		48	20	84	
Kent	62,671	32,576	30,095	679	1,631	820	798	4	999	506	291	60	1,071	563	202	1
Кемеенам	5,411	3,233	2,178	36	696	141	126	Gi.	25	30	21	1	712	III	105	1
Lake	1,813	1,015	798	16	89	88	38	-	61	90	14		47	35	85	
-		-	-	-	1	1	1									

a The figures with the minus sign placed before them indicate the excess of deaths over births.

The population of Baraga county is included in population of Houghton county, and cannot be accertained. No returns of deaths from the township of Central Lake,

No returns of births nor deaths from the townships of Detour and Sugar Island.

The population of Crawford county is included in population of Kalkaska county and cannot be ascertained.

No returns of births from the township of Rolland. Returns of deaths received too late for compilation. No returns of deaths from the township of Oscoda.

y No returns of births, marriages, nor deaths.

## VITAL STATISTICS OF MICHIGAN, 1878.

# TABLE II.-CONTINUED.

	Popu	POPULATION, 1874.	74.			Вікти	Віптия, 1878.		J.	DEATHS, 1878.	8, 1878.		EXCRES	EXCRES OF BIRTHS OVER DRATHS.	IS OVER ]	EATHS.
COUNTIES.		SI	SEX.	Marriages,			SEX.				SEX,				SEX.	
	Total.	Males,	Females.	10101	Total.	Males.	Fe- males.	Un- known.	Total.	Males.	Fe- males.	Un- клоwn.	Total.	Males,	Fe- males.	Un- known.
Lapeer	25,140	13,095	12,045	550	240	979	096	7	180	102	77	1	360	771	183	
Leelanaw	5,031	2,692	9,339	27	162	90	70	*****	49	65	12	-	113	89	45	-
Lenawee	180'91	23,256	22,828	804	752	404	344	4	330	167	162	1	499	237	182	
Livingston	20,329	10,569	9,760	135	449	213	236		156	75	18		293	141	159	
Mackinacb	1,496	765	731	25	37	10	18	-	15	7	п		81	15	1-	-
Macomb	28,802	14,367	13,938	233	693	8779	313	1	979	147	132	-	414	232	181	
Manistee	8,471	4,792	8,679	75	355	190	165		18	45	88	-	172	145	126	-
Maniton	657	364	203	11	30	16	14		9	60	60	-	76	13	11	-
Marquette	21,946	12,893	9,053	96	721	379	342		722	141	98	-	194	238	926	
Mason	5,361	2,971	2,390	11	183	76	88	-	19	40	21		193	254	89	
Mecostn	9,132	4,874	4,258	102	202	126	137	01	73	31	8	-	192	96	98	
Menominee	3,490	2,213	1,277	38	45	23	81		6	9	80	-	38	17	19	-
Midland	4,765	2,593	2,172	75	169	88	98		20	18	34		111	65	55	-
Missaukee	909	300	211	9	38	17	21		15	п	10		17	9	11	
Monroe	30,111	15,302	608'11	302	800	445	412	69	310	159	148	60	549	286	264	7
Montealm	20,815	11,311	9,504	233	909	333	271	1	198	92	101	61	407	238	170	7
Muskegond	19,875	10,761	8,614	191	533	665	234	-	171	88	88	***************************************	362	211	191	-
Newaygo	8,758	4,879	3,879	76	243	135	105	60	78	43	33	61	165	92	72	
Oakland	38,082	19,446	18,636	301	641	321	316	+	331	172	156	60	310	149	160	
Oceana	8,360	4,581	8,779	18	275	134	141		76	3.4	43	-	199	100	66	
Ogemen	200	400	-													

***************************************	#	***************************************	61			9								1	03	C4
16	99	6	318	32	-	411	220	9	188		141	182	186	128	1,514	53
20	101	12	990	34 -	9	828	598	4	185	351	144	183	182	130	1,727	46
38	168	21	610	99	7	198	488	10	873	829	282	365	368	520	3,243	113
	-	-			********	01	1	-			-	-	1	1	15	1
1 60	45	-	116	15		265	63	04	99	148	102	11	112	153	968	98
14	#	G.	133	п	9	702	11	01	11	171	103	62	135	176	1,038	49
233	80	01	949	36	9	524	135	7	137	319		150	248	330	1,949	98
	1		04		-		1	-	-	-		-	1	O1	11	00
30	ш	9	484	47	1	919	283	80	254	455	243	253	208	281	2,410	101
34	145	11	423	45	*	715	330	9	256	522	246	262	317	306	2,765	92
69	702	60	820	9.5	10	1,301	623	14	210	776	489	515	616	689	5,192	109
10	75	7	216	+	00	371	152	8	165	599	314	189	268	266	1,049	46
1,130	2,725	76	14,140	192	88	22,441	7,640	466	10,508	19,507	12,639	8,048	14,094	19,170	72,597	1,259
1,976	3,491	162	15,789	851	187	896'968	8,652	821	11,265	21,181	13,267	8,950	15,062	19,553	72,306	1,752
907'6	6,216	238	920,929	1,615	976	48,409	16,292	1,290	21,773	40,688	906,52	16,998	29,156	38,723	144,903	3,011
Ontonagon	Osceola	Otsego	Ottawa	Presque Isle	Roscommon	Saginaw	Sanilac	Schooleraft*	Shiawasseef	St, Clair	St. Joseph	Tuscola	Van Buren	Washtenaw	Wayneh	Wexford

A The igures with the minus sign placed before them indicate the excess of deaths over births.

No returns of births from the townships of Hentricks, Holmes, Newton, and St. Ignace.

No returns of births from the township of Cedarville, Breitung, and spaulding, and no returns of deaths from the township of Montague.

No returns of births nor deaths from the township of Montague.

No returns of births nor deaths from the township of Munising, and no returns of deaths from the township of Munising, and no returns of deaths from the township of St. Clair.

No returns of deaths from the township of St. Clair.

No returns of deaths from the township of Grosse Point.



## BIRTHS, 1878.

Judging from the tables of births compiled in the State Department, the year 1878 was an unusually fruitful one, the enumeration of the births was more thoroughly performed than usual, or the returns of births more complete than in previous years. During the year 1878, according to the returns to the State Department, 35,162 births occurred in Michigan,—the largest number ever returned as having occurred in this State in any one year. This, however, probably does not include all the births which actually occurred in this State in 1878,—only about 67.41 per cent. of them, as may be seen in the following exhibits. According to the compiler's method of correcting the number of births returned, in order to make it equal the number which probably occurred, the number returned should be increased by about 48.34 per cent. in order to make it equal the number, as shown by Exhibit A, page 5, including the births in unknown month, is 52,145.

YEARS.	Per Cent. of Births Returned,	Per Cent. of Births Added as Correction for Omissions.
1871	70.00	42.86
1872	64.95	43.95
1873	76.72	30,34
1874	55.75	79.37
1875	68.61	45.76
1876	75.73	32.04
1877	66.47	50.44
1878	67.41	48,34
Average for 8 years	68,21	46.64

The average number of births during each of certain specified periods of time, including unknown month, is as follows:

PERIODS OF TIME.	Births as Returned.	Corrected as per Exhibit A, 4th line.
Per quarter	8,790.50	13,036.25
Per month	2,930.17	4,345.42
Per week	676.19	1,002.79
Per day	96,33	142 86

Table I. shows, by quarters of the year, for each of the years 1873-1878, the number and per cent. of children returned as having been born in this State. In 1878, the largest proportion is shown for the last quarter of the year. This has not occurred before in this State, except in 1871, the largest proportion in each of the other years 1868-1878, having been returned for the third quarter of the year,—ending with September.

TABLE I.—Births by Quarters of the year, Exhibiting the Number and Per Cent. of Totals for each of the Years 1873 to 1878, inclusive, as Returned, and as Corrected for Omissions in the Enumeration.

	TALS, AND MONTHS	187	8.	197	<b>6</b> .	187	5.	187	6.	197	7.	187	<b>8.</b>
WI	TH WHICH UARTERS END.	Num- ber.	Per Ct. of Total.	Num- ber.	Per. Ct. of Total.								
	Totals	84,608	100.00	81,151	100.00	81,958	100.00	34,235	100.00	83,895	100.00	85, 162	100.00
	March	7,208	20.83	6,315	20.27	6,625	20.78	7,879	21.55	7,148	21.40	7,451	21.19
ped	June	8,104	23.42	7,608	24.42	7,982	24.91	8,839	24.36	7,995	23.94	8,589	24,28
As Beturned.	Sept	9,693	28,01	8,810	28.28	8,909	27.88	9,248	27.01	9,174	27.47	9,390	26.70
B	Dec	9,588	27.54	8,873	26,88	8,402	26,29	9, 165	26.77	9,007	26.97	9,750	27.78
4	Unknown	70	.20	45	.14	60	. 19	104	.80	71	.21	32	.09
	Average.	8,652	25.00	7,788	25.00	7,990	25.00	8,559	25.00	8,349	25.00	8,791	25,00
ns.	Totals	45,088	100.00	55,841	100.00	46,553	100.00	45, 172	100.00	50,203	100.00	52,145	100.00
Omissions.	March	10,314	22.88	18,707	24.55	11,074	23.79	10,840	24.00	12,446	24.79	12,742	24.44
	June	10,920	24 22	14,768	26.45	12,261	26.34	11,480	25,41	12,748	25.39	13,435	25,76
f for	Sept	12,201	27.08	15,019	26.90	12,494	26.84	11,858	26.25	13,258	26.41	13,402	25.70
ote.	Dec	11,583	25.69	12,802	22.03	10,664	22.91	10,890	24.11	11,680	23,27	12,534	24.04
Corrected	Unknown	70	.16	45	.08	60	. 18	104	.23	71	.14	82	.06
A. C	Average.	11,272	25,00	13,960	25.00	11,638	25.00	11,293	25.00	12,551	25.00	13,036	25,00

<sup>\*</sup> The number in unknown quarter of year included.

TABLE II.—Births during each of the Fears 1873—1878, inclusive, according to the Returns, exhibiting the Number and Per Cent. of Total, by Months, arranged in Order, those Months first which have the greatest Number of births.

		1813.			1874.			1875.			1876.			1877.			1878.	
	Months.	Num- ber,	Per Ct. of Total.	Months.	Num- ber.	Per Ct. of Total.	Months.	Num- ber.	Per Ct. of Total.	Months.	Num- ber.	Per Ct. of Total.	Months.	Num- ber,	Per Ct. of Total.	Months.	Num- ber.	Per Ct. of Total.
	Total.	34,608	100.00	Total	81,151	100.00	Total	31,958	100.00	Total.	34,235	100.00	Total	33,395	100.00	Total	35,162	100.00
00	Sept	3,436	9.93	Aug	3,077	9.88	Aug	3,103	9.71	Dec.	3,205	9.36	Aug.	3,227	99'6	Dec	3,423	9,73
01	Dec	3,351	9.68	Sept	2,972	9.54	Sept	3,081	9.61	Aug	3,124	9.13	Dec	8,145	9.43	Aug	3,295	9.37
60	Ang	3,342	99.6	Dec.	2,921	9,38	Dec	2,856	8.94	Sept	3,110	90.6	Sept	2,048	9.13	Oct	3,266	9.99
4	Oct	3,165	9.15	July	2,761	8.86	Oct	2,819	8.83	Oct	3,039	8.88	Oet	3,015	9.03	Sept	3,260	9.97
10	Nov	3,017	8.72	Oct	2,726	8.75	Nov.	2,727	8.53	July	3,014	8.80	July	2,899	8.68	Nov.	3,061	8,71
9	July	2,915	8,42	Nov	2,726	8,75	July	2,725	8.53	Nov.	2,921	8.53	Nov	2,847	8,53	April	2,937	8.35
7	Mar	2,847	8.23	May	2,586	8,30	May	2,722	8.52	May	2,570	8,38	Mar	2,690	8,06	Mar	2,836	8.07
90	May	2,794	8.07	June	2,558	8.21	April.	2,710	8.48	Mar	2,744	8.01	Mny	2,683	8.03	July	2,835	8.06
0	April	2,711	7.83	April	2,464	16.7	June	2,530	7.91	June	2,730	8,00	June	2,657	7.98	May	2,805	7.98
10	June	2,509	7,51	Mar	2,462	7.90	Mar	2,415	7.56	April	2,730	7.97	April	2,655	7.95	June	2,797	7,95
11	Feb	2,249	6.50	Feb	1,954	6.27	Feb	2,121	19.9	Feb	2,352	6.87	Feb	2,246	6,73	Feb	2,414	6.87
10	Jan	2,111	6.10	Jan	1,899	6.10	Jan	680'5	6.53	Jan	9,288	6.67	Jan	2,212	6.62	Jan	2,201	6.26
-	Unk	70	.20	Unk	45	11.	Unk	00	61,	Unk	101	.30	Unk	11	.21	Unk	300	00.
-	AV	2,884	8,33	Δν	2,596	8.33	Av	2,663	8.33	AV	2,853	8,33	Av	2,783	8.33	Δν	2,930	8,83

" Including unknown month.

EXHIBIT 2.—Births during the Years 1875, 1876, 1877, and 1878, as Corrected for Omissions in the Enumeration, exhibiting the Number and Per Cent. of Total, by Months arranged in order by Number, Months having the greatest number first.

		1875.			1876.		1	1677.			1878.	
ei	Montes.	Num- ber.	Per Ct. of Total.	Months.	Num- ber.	Per Ct. of Total.	MONTHS.	Num- ber.	PerCt. of Total.	Months.	Num- ber.	Per Ct. of Total.
ORDER.	Total	46,558	100,00	Total	45,172	100.00	Total	50,203	100.00	Total	52,145	100.00
1	Aug	4,857	9.86	Aug	4,007	8.87	Aug	4,666	9.29	April	4,759	9,13
2	Apr	4,292	9.22	July	8,960	8.77	Mar	4,553	9.08	March	4;780	9.07
8	May	4,189	9.00	May	8,951	8,75	April	4,865	8,69	Aug	4,710	9.08
4	Sept	4, 188	9,00	Mar	8,950	8.74	July	4,835	8,63	Sept	4,504	8.64
5	July	8,949	8.48	Sept	3,891	8.61	May	4,278	8.52	Мау	4,411	8,46
6	Mar	8,984	8.45	April	8,844	8.51	Sept	4,257	8,48	Oct	4,857	8,86
7	June	3,780	8.12	Dec	8,708	8.21	June	4,105	8,18	June	4,265	8,18
8	Oct	8,705	7.96	Oct	8,707	8.21	Oct	4,061	8,09	Dec	4,240	8.13
9	Jan	8,590	7.71	June	3,685	8.16	Jan	8,965	7.90	July	4,188	8.03
10	Feb	8,550	7.63	Nov	8,475	7.69	Feb	8,925	7.82	Feb	4,131	7.92
11	Dec	8,497	7.51	Feb	8,460	7.66	Dec	3,925	7.82	Nov	8,937	7.55
12	Nov	8,462	7.44	Jan	8,430	7.59	Nov	3,694	7.86	Jan	8,881	7.44
	Unk	60	.18	Unk	104	.23	Unk	71	.14	Unk	82	.06
	Aver'ge .	8,879	8,33	Aver'ge =	8,764	8.33	Aver'ge a	4,184	8.83	Aver'ge .	4,845	8,83

<sup>.</sup> Including births in unknown month.

the same Equalized for Increase of Population during the Year covered by the Returns, and the Births as thus Corrected and Equalized for the several Months, Equalized for Months of a Uniform length of 30.44 days; also, indicating some of the steps by which these results have been reached. (Still-births and Children of unknown Sex included.) EXHIBIT A.—Births in Michigan during the Year 1878, as Returned, as Corrected for Omissions in the Enumeration;

						-	MONTHS, 1878.	s, 1878					
	TOTAL.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Births as returned by Registration Officers. Per cent. of births to be added for correction for time elapsing before enumeration.	a 35,130	2,201	2,414	2,836	2,937	2,805	2,797	2,835	3,395	38.17	3,966	3,061	3,423
Number of births to be added for above correction	16,983	1,680	1,717	1,894	1,822	1,606	1,468	1,353	1,415	1,244	1,091	876	817
Births, if enumerated in months of occurrence	52,113	3,881	4,131	4,730	4,759	4,411	4,965	4,188	4,710	4,504	4,357	3,937	4,940
Per cent, of births to be added to equalize them to population at close of year		4.21	38.86	3.51	3.16	18.9	9,46	2.11	1.76	1.41	1.06	.71	186
Births to be added to equalize them to population at close of year	1,191	163	159	166	150	124	105	88	250	64	16	88	15
Births, as corrected, equalized to population at close of year	53,304	4,044	4,290	4,896	4,909	4,535	4,370	4,276	4,793	4,568	4,403	3,965	4,255
Days and hundredths by which the months should be increased or diminished to equalize them to months of uniform length.  Number of births added or subtracted to equalize them to months of		99.	+244	1.56	1	1	1	1.56	1.56	14.4	1.56	+.4t	1.00
uniform tengen	11 1	2 0		8   900		100	1	1 000	0	To and		200	1 3
Births, corrected and equalized, equalized to months of uniform length	09,310	2,011	4,004	4,800	4,981	4,403	4,434	4, 195	4' 130 4' 100	4,030	9,020	8,023	9,110
Thental in intraction of it in the court	in inhe	oren n	Mana I										1

a Excluding 32 in unknown month.

EXHIBIT B.—Births of Males in Michigan during the Year 1878, as Returned, as Corrected for Omissions in the Enumeration; the same Equalized for Increase of Population during the Year covered by the Returns, and the Births as thus Corrected and Equalized for the several Months, Equalized for Months of 30.44 Days each.

	-					N	ПТИО	MONTHS, 1878.					
	TOTAL.ª	Jan.	Feb.	Mar. April	April	May.	June,	June, July. Aug.		Sept.	Oct.	Nov.	Dec.
Births of Males as returned by Registration officers.  Per cent. of births to be added for correction for time clapsing before enumeration	n 18,204	1,180	1,259	1,444	1,538	1,400	1,472	1,462	1,721	1,733	1,712	1,529	1,754
Number of births to be added for above correction	8,096	91	911	974	964	810	781	705	747	609	578	443	423
Births of males, if enumerated in months of occurrence	26,300	1,271	2,170	9,418	2,502	2,210	2,253	2,167	2,468	2,402	2,290	1,972	2,177
Per cent, of births to be added to equalize them to population at close of year		4.21	3,86	8.51	3,16	18.5	2.46	2.11	1.76	1.41	1.06	17.	185
Births to be added to equalize them to population at close of year	288	15	84	8	79	62	55	46	43	150 150	762	14	ø
Births of males, as corrected, equalized to population at close of year	26,888	1,325	2,254	2,503	2,581	2,272	2,308	2,213	2,511	2,436	2,314	1,986	2,185
Days and hundredths by which the months should be increased or diminished to equalize them to months of uniform length.  Number of births added or subtracted to equalize them to months of uniform length.	+ 51	- 56	56 + 2.44	1.56	+ 44	997	+ .4	-40	1.56	+ 44	-,56	+.4	-39
Births of males, corrected and equalized, equalized to months of uniform length	26,945 1,301	1,301	2,450	2,458	2,450 2,458 2,619 2,231		2,342	2,173	2,178 2,466 2,472	2,472	2,972	2,015	2,146
		-											1

. Excluding 20 births in unknown month.

EXHIBIT C.—Births of Females in Michigan during the Year 1878, as Returned, as Corrected for Omissions in the Enumeration; the same Equalized for Increase of Population during the Year covered by the Returns, and the Births as thus Corrected and Equalized for the several Months, Equalized for Months of 30.44 Days each.

						MC	MONTHS, 1878.	1878.					
	TOTAL.	Jan.	Feb.	Mar.	Apr. 1	May. June. July.	d be	uly.	Aug.	Sept.	Oct.	Nov.	Dec.
Births of Females as returned by Registration Officers. 16,860  For cent. of Births to be added for correction for time elapsing before enumeration.  Number of births to be added for above correction.	8,179	1,012	1,150	1,890 67.00 933	1,391	1,400 87.51	1,323	1,370	1,570	1,522 38.35 584	1,546 83.56 519	1,527	1,659 23,98
Births of Females, if enumerated in months of occurrence	880,08	1,788	1,977	2,32	2,258	2,206	3,020	2,027	2,247	2,106	2,065	1,906	2,057
Per cent, of births to be added to equalize them to population at close of year.  Births to be added to equalize them to population at close of year.	573	12 55	28.88	25.55	3,16	2.81	94 82	11.83	1.78	17 8	1.06	F: 7	8
Births of Females, as corrected, equalized to population at close of year	25,611	1,863	2,063	2,400	2,329	2,967	2,070	2,070	2,287	9, 138	2,087	1,980	2,084
Days and hundredths by which the months should be increased or diminished to equalize them to months of uniform length uniform length added or subtracted to equalize them to months of the total continuous cont		3 8	+9.44	2; 3	4. 4.	\$ 7	**·+ + 30.	186	8 7	+.44	88.	+.4 82	92 FE
Births of Females, corrected and equalized, equalized to months of uniform length.	25,643	1,829	2,232	2,362	2,363	2,226	2,100	2,033	3,216	2,167	2,049	2,009	2,027

. Excluding 11 births in unknown month.

EXHIBIT D.—Births of Males and of Females in Michigan during the Year 1878, Corrected for Omissions in the Enumeration, and, as thus Corrected, Equalized to Months of Uniform length; also, the total Births of both Sexes as thus Corrected and Equalized. (Births of Ohildren of unknown Sex not included.)

	No.					M	MONTHS, 1878.	, 1878.					1
	TOTAL.8	Jan.	Feb.	Mar. April.		May.	June. July.		Aug.	Sept.	Oct.	Nov.	Dec.
Births of Males, if enumerated in months of occurrence. Days and hundredths by which the months should be increased or dimin- ished to equalize them to months of uniform length. Number of births added or subtracted to equalize them to months of uni- form length.	96,300	1,271 2,170 -,56 + 2.44 -23 + 189	2,170 + 2.41 + 189	9,418	2,502	2,210	2,258	2,167	2,468	2,402	9,290	1,972	171,5
Births of Males, corrected and equalized to months of uniform length	26,352	1,248	2,359	2,374	2,539	2,170	2,286	2,128	2,423	2,437	2,219	2,001	2,138
Births of Females, if enumerated in months of occurrence.  Days and hundredths by which the months should be increased or diminished to equalize them to months of uniform length.  Number of births added or subtracted to equalize them to months of uniform length.	25,039	1,788 1,977 -,56 + 2.44 -32 +172	1,977	2,323	2,258 + .44 + 33	2,205	2,020	2,027	2,217	2,106	2,065	1,966	2,057
Births of Females, corrected and equalized to months of uniform length	25,068	1,756	2,149	2,8314	2,291	2,165	2,050	1,990	2,206	2,137	2,028	1,995	2,020
Births of Males and of Females, corrected and equalized to months of uniform length	51,420	3,004	4,508	4,655	4,830	4,335	4,336	4,118	4,629	4,574	4,277	3,996	4,158
Males to 100 Females, Births corrected and equalized to months of uniform length	105	11	110	104	=	100	112	107	110	114	1111	100	106
		1	1		100000				1	ı			

. Excluding 20 births of males, and 11 births of females in unknown month.

EXHIBIT 3.—Births in Michigan during the Year 1878, Corrected for Omissions in the Enumeration and Equalized for Months of a uniform length of 30.44 Days. (Still-births and Children of unknown Sex included.)

						28	CONTE	MONTHS, 1878.					
	Torate	Jan. Feb. Mar. April. May. June. July. Aug. Sept. Oct. Nov. Dec.	Feb.	Mar.	Prd.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Births, if enumerated in months of occurrence	. 62,113	3,381	181,	4,730	4,736	3	8,	4,188	4,710	4,504	1,367	3,937	4,240
Days and hundredths by which the months should be increased or diminished to equalize them to months of uniform length.  Number of births added or subtracted to equalize them to months of uniform length.	+	+65 -70 +380 -85 +70 -80 +63 -76 -80 +64 -70 -80 +65 -70 -80 +65 -70 -80 +65 -70 -80 +65 -70 -80 +65 -70	- 2,44	1	+ + 5 +	1	4 5	8. I	1 1 8 8 8	+ + + 68	<b>8</b> 8	+ + + 58	<b>35</b> F
Births, corrected and equalized to months of uniform length	55,178 5,811 4,491 4,645 4,939 4,331 4,328 4,112 4,625 4,570 4,278 3,986 4,163	8,811	169,4	4,645	4,889	4,33	4,328	4,112	4,625	4,570	4,278	3,996	4,163

. Excluding 32 births in unknown month.

out of twelve months, more than the average number of conceptions appear for months in which more than the average number of marriages were solemnized, and vice versa. When the births are corrected for omissions in the enumeration, as in Exhibit E, the above proposition is true of only six out of the twelve months. The data in Table III. relates to the subject of the influence of the marriage-rate upon the conception-rate. In seven

TABLE III.—Exhibiting the Relation between the Births Returned as having occurred in Michigan during the Year 1878, and the Marriages solemnized in the Months of the Years 1877 and 1878, in which the Conceptions probably occurred. (Births and Marriages in unknown month excluded.)

Bir	THS RETURNED AS HAVE 30.44 DAYS EACH, II	ng occuri	RED IN 1878, EQUALIZED TO MON BY NUMBER, GREATEST FIRST.	THS OF	Number of Marriages from April,
	Віктна.		Conceptions.		1877, to March 1878, equal- ized to Months of
	Year and Months.	Number.	Months.	Year.	30.44 days each.b
Year	r	85, 144			11,967
No.	December	3,361	March	1878	972
Av. 2	September	8,307	December	1877	1,235
rths	August	3,236	November	1877	1,207
More than the of Birth	October	3,207	January	1878	1,036
5	November	3,105	Februaryc	1878	931
Mo	April	2,980	Julyc	1877	908
Av	erage	2,929			989
No.	June	2,838	Septemberc	1877	1,103
	March	2,785	June	1877	740
then the Av	July	2,784	October	1877	1,201
a k	May	2,755	August	1877	753
8 5	February	2,624	May	1877	834
Less	January	2,162	April	1877	947

a Excluding 32 births in unknown month.
b Corrected for additional returns, up to December 20, 1879.
c Exceptions to the proposition that more than the average number of conceptions appear for months in which more than the average number of marriages were solemnized, and vice versa.

EXHIBIT E .- The Relation between the Births in Michigan during the Year 1878, Corrected for Omissions in the Enumeration, and the Marriages solennized in the Months of the Years 1877 and 1878, in which the Conceptions probably occurred. (Births and Marriages in unknown Month excluded.)

Birt	AND EQUALIZED TO M	ONTHS OF	MERATED IN MONTHS OF OCCUE Uniform Length, in Order B GATEST FIRST.		No. of Marriages from April, 1877, to
	Вівтна		CONCEPTIONS.		March, 1878 equalized to Months of 30.44 Days
	Year and Months.	Number.	Months.	Year.	each. b
Year		52,178			11,867
ا . خ	April	4,829	Julyc	1977	908
T the	March	4,645	June	1877	740
than an Av	August	4,625	November	1877	1,207
. o. t	September	4,570	December	1877	1,235
More No.	February	4,491	May	1877	834
۸v	erage	4,348			989
1	May	4,831	August	1877	753
٠. خ	June	4,328	September	1877	1,103
rtbs	October	4,278	January	1878	1,036
than an Av. of Births.	December	4,163	March	1878	972
9.0	July	4,112	October	1877	1,201
Less No.	November	8,995	February	1878	981
	January	3,811	Aprii	1877	947

Unknown month excluded.
 Orrected for additional returns, up to December 20, 1879.
 Exceptions to the proposition that more than the average number of conceptions appear for months in which more than the average number of marriages were solemnized, and vice versa.

TABLE IV.—Exhibiting, by Counties and by Sex, the Number of Children Returned as having been born in Michigan during the Year, and in each Month of the Year Ending December 31, 1878. (Still-births included.)

om A myz							:	Mon	THS,	1878	•				
STATE AND COUNTIES.	SEX.	YEAR, 1878.	January.	February.	March.	April.	May.	June.	July.	Angust.	September.	October.	November.	December.	Unknown.
	(Total	35,162	2201	2414	2836	2937	2805	2797	2835	3295	3260	3266	3061	3423	3
	Males	18,224	1180	1259	1444	1538	1400	1472	1462	1721	1733	1712	1529	1754	2
State	Females	16,871	1012	1150	1390	1391	1400	1323	1370	1570	1522	1546	1527	1659	1
	Unknown	67	9	5	2	8	5	2	, 3	4	5	8	5	10	
	   Excess of Males	1,353	168	109	54	147		149	92	151	211	166	2	95	,
	Total	34	- 5	2	6	3	5	3	1	1	3	3	1	1	
Alcona	Males	15	2	2	1	2	3	1		1	2	1			
	Females	19	8		5	1	2	2	1		1	2	1	1	
	Total	813	52	56	58	67	78	70	56	92	70	78	76	59	
	Males	409	29	28	28	27	45	32	35	38	36	39	39	33	
Allegan	Females	403	23	28	30	40	33	38	21	54	33	39	37	26	
	Unknown	1									1				
	( Total	194	31	15	11	18	13	13	15	15	14	16	17	16	
	Males	108	19	7	5	11	7	8	11	7	9	9	7	8	
Alpena	Females	85	11	8	6	7	6	5	4	8	5	7	10	8	
	Unknown	1	1												
	Total	90	3	3	7	4	10	8	7	11	10	8	14	5	
Antrim	Males	45	3	1	2	2	6	3	5	3	5	6	8	1	
	Females	45		2	5	2	4	5	2	8	5	2	6	4	
	(Total	54	5	1	8	6	3	5	4	7	3	2	7	3	
Baraga	Males	31	1		6	2	2	4	2	3	2	1	5	3	
	Females	23	4	1	2	4	1	1	2	4	1	1	2		
	(Total	482	29	27	87	37	50	39	40	44	45	48	43	39	
Barry	Males	253	17	16	14	16	26	24	26	21	19	25	27	21	0
	Females	229	12	11	23	21	24	15	14	23	29	23	16	18	
	{ Total	920	64	61	68	79	65	69	66	81	107	74	82	103	
Bay	Males	451	37	31	35	42	53	33	27	43	51	36	34	49	
	Females	469	27	30	33	37	32	36	39	38	56	38	48	54	
	[Total	84	4	6	10	4	12	4	14	5	7	7	5	6	
Benzie	Males	43	2	6	2	2	5	1	6	4	6	2	3	4	
	Females	41	2		8	2	7	3	8	1	1	5	2	2	
	[Total	771	54	63	48	78	61	54	50	67	60	89	62	85	
Manual a	Males	397	26	32	28	36	28	24	26	37	32	48	37	43	
Berrien	Females	372	27	31	20	42	33	30	24	30	28	40	25	42	
	Unknown	2	1	1		1.3				0	10	1		4	

<sup>•</sup> Except of counties and townships not represented by returns of births in 1878.

TABLE IV.—Continued.—Births by Counties, by Months, and by Sex.

	]							Mon				•			
COUNTIES.	SEX.	YEAR, 1878.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown,
	Total	482	25	83	40	48	31	32	34	62	49	46	32	50	_
_	Males	244	14	20	20	19	19	18	15	86	28	21	17	22	
Branch	Females	237	11	13	20	28	12	14	19	26	26	25	15	28	<u> </u>
	Unknown	1		<b></b> .		1						<b></b>	 		
	Total	594	27	45	34	41	42	47	46	62	67	63	63	56	,
Calhoun	Males	299	16	21	14	20	19	25	23	34	87	81	29	30	
Vainoun	Females	293	11	24	20	21	23	22	23	28	80	31	33	26	1
	Unknown	2		<b> </b>			ļ					1	1		
	Total	447	19	24	46	39	36	45	46	39	44	34	42	83	<b> </b>
Cass	Males	284	8	14	22	22	15	22	24	24	23	19	24	17	
	Females	213	11	10	24	17	21	23	22	15	21	15	18	16	ļ
	Total	118	4	7	8	8	12	9	12	16	11	8	10	18	ļ
Charlevoix	Males	63	2	4	5	8	8	7	7	6	7	3	6	3	
	Females	55	2	3	3	5	4	2	5	10	4	5	4	8	
	Total	120	2	6	12	8	10	8	16	10	12	14	n	11	<b> </b>
Cheboygan	Males	49	2	1	7	8	5	2	5	8	6	4	8	8	
onoboy Banania	Females	70		5	5	. 5	5	6	11	. 1	6	ย	8	8	
	Unknown	1										1			
	Total	99	5	8	9	6	4	8	7	11	10	12	14	5	<b> </b>
Chippewa	Males	47	2	4	3	3		2	2	7	7	6	9	2	
	Females	52	8	4	6	8	4	6	5	4	8	6	5	8	<b> </b>
	Total	80	6	2	8	7	9	11	8	6	4	6	4	9	<b> </b>
Clare	Males	36	2	· 2	5	5	1	4	7	4	1	3	1	1	
	Females	44	4		8	2	8	7	1	2	8	3	8	8	
	Total	615	35	30	48	43	49	64	60	60	58	64	42	62	
Clinton	Males	315	18	9	28	24	27	86	25	29	81	34	26	83	
	Females	300	17	21	25	19	22	28	35	81	27	80	16	29	
	Total	13	2	2	<b> </b>					1	1	2	8	2	
Crawford	Males	6	2	1							1	1		1	
	Females	7		1			ļ			1		1	8	1	
	Total	161	18	12	8	14	20	15	13	9	18	16	18	10	
Delta	Males	82	10	6	4	8	8	10	7	4	7	8	7	8	
	Females	79	8	6	4	6	12	5	6	5	6	8	6	7	
	Total	605	35	83	47	59	83	48	59	67	60	53	62	52	2
Eaton	Males	295	14	12	23	29	18	23	22	26	87	32	24	28	2
	Females	309	21	21	24	80	15	20	27	41	23	20	88	99	-
	Unknown	1	l	l	l		l	ll				1			

a No returns from townships of Detour and Sugar Island.

TABLE IV.—Continued.—Births by Counties, by Months, and by Sex.

	1							Mon	THS,	1878	3.				
COUNTIES.	Sex.	YEAR, 1878.	January.	February.	March.	April.	May.	Jane.	July.	August.	September.	October.	November.	December.	Unknown.
	[Total	104	8	,	7	10	9	10	8	12	18	10	10	6	
	Males	50	4	1	1	6	4	4	6	6		1	3 6	4	
Emmet	{   Females	53	4		6	4	4	6	2	6	8	1	1	2	
	Unknown	1				****	1								
	Total	768	47	44	50	60	64	64	61	85	70	8	69	71	1
Genesee	Males	377	20	21	27	32	36	33	25	41	36	38	25	38	1
0.0000000000000000000000000000000000000	Females	391	27	23	23	28	28	31	36	44	34	43	40	33	
	( Total	18				1	3	2	3	2	2		1	4	
Gladwin	Males	10				1	1	1	3	1				3	
	Females	8					2	1		1	2		1	1	
	Total	148	14	5	15	14	n	9	9	18	10	10	18	9	
Grand Traverse	Males	81	7	4	8	9	7	6	4	12	8	7	8	4	
	Females	64	7	1	7	5	4	3	5	6	2	9	10	5	200
	Total	416	20	29	41	40	31	41	36	41	30	40	31	36	1
Gratiot	Males	223	10	19	22	20	18	18	20	20	14	14	21	27	
	Females	193	10	10	19	20	13	23	16	21	16	26	10	9	
	Total	510	36	30	45	50	34	46	41	50	47	48	39	43	1
Hillsdale	Males	264	20	16	22	24	13	25	19	33	27	25	21	18	1
3.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0	Females	246	16	14	23	26	21	21	22	17	20	23	100	25	1
	Total	914	51	63	94	69	72	86	66	89	80	84	72	88	
for the same of	Males	469	34	33	45	31	26	50	31	48	47	44	31	49	
Houghton	Females	442	17	30	49	37	46	36	35	41	33	40	40	38	
	Unknown	3				1							1	1	
101	Total	570	20	37	46	53	45	38	38	69	58	59	53	53	1
Huron	Males	298	8	24	25	28	23	18	19	29	32	32	29	30	1
	Females	272	12	13	21	25	22	20	19	40	26	27	24	23	1
	Total	593	26	41	41	46	49	43	51	60	48	67	59	62	
	Males	312	16	19	20	28	29	25	21	36	29	28	27	34	
Ingham	Females	280	10	22	21	18	20	18	30	24	19	39	31	28	
	Unknown	1							- 67				1	16	
	Total	621	37	39	44	59	44	50	63	51	57	69	54	54	
	Males	316	99	20	99	27	24	25	27	30	26	38	24	31	****
onia	Females	304	15	19	22	31	20	25	36	21	31	31	30	23	•
	Unknown	1	10	10		1		20	50		01	91	-00	23	****
		68	6	3	11	5	8	5	- 6	7					
	Total	1.5				2	6			3	4	6	1	5	1
7800	Males	59	2	1	5	- 31		4	4	5	2	3	1	3	1
	Females	29	4	2	6	8	2	1	2	2	2	3		2	****

TABLE IV .- CONTINUED .- Births by Counties, by Months, and by Sex.

							3	ION	тнв,	1878.					
COUNTIES.	SEX.	YEAR, 1878.	January.	February.	March.	April.	May.	Jane.	July.	August.	September.	October.	November.	December.	Unknown.
	Total	229	16	8	12	30	25	21	21	19	22	14	13	25	2
Isabella	Males	116	9	3	6	15	10	11	16	8	11	8	4	12	1
	   Females	113	7	5	6	15	15	10	5	11	11	6	9	13	
Isle Royal	ь					-									
	Total	779	32	39	54	48	74	65	78	79	73	87	78	72	
Jackson	   Males	411	14	24	25	24	33	29	45	40	41	48	46		
	Females	368	18	15	29	24	41	36	33	39	32	39	32	30	
	[Total	598	31	51	44	44	44	45	53	60	51	59	56	55	
	Males	325	21	26	20	30	22	29	21	40	30	35	24	27	
Kalamazoo	Females	267	10	25	24	14	92	16	32	20	21	24	32	27	
	Unknown	1												1	
	Total	66	4	3	4	8	5	2	3	9	10	10	3	5	
Kalkaska	Males	29	4		2	4	1		3	1	4	6	2	2	
	   Females	37		3	2	4	4	2		8	6	4	1	3	
	Total	1,631	126	109	127	126	114	110	119	169	144	143	157	186	
	Males	829	54	56	68	60	50	49	62	84	76	85	81	104	
Kent	Females	798	72	51	59	66	64	61	56	85	68	58	76	81	
	Unknown	4		2		**			1					1	
	Total	269	92	25	25	25	23	33	21	18	18	21	19	16	
	Males	141	12	11	19	10	11	21	11	8	11	7	13	7	
Keweenaw	{   Females	126	10	14	9	15	11	11	10	10	7	14	6	9	
	Unknown	2					1	1				1			
	(Total	69	2	3	9	6	8	7	8	6	7	6	3	4	
Lake	Males	33	1	2	4	4	3	4	5	3	2	3	1	1	
	Females	36	1	1	5	2	5	3	3	3	5	3	9	32 30 56 55 24 27 32 27 1 3 5 2 2 1 3 157 186 81 104 76 81 19 16 13 7 6 9 3 4 1 1	
	Total	540	30	33	48	38	50	45	40	44	57	58	44	52	
	Males	279	18	16	24	15	23	21	19	23	38	32	22	27	
Lapeer	{   Females	260	12	17	23	23	27	24	21	21	19	26	22	25	
	Unknown	1			1										
	[Total	162	. 12	15	17	16	14	12	12	16	è	12	13	14	
Leelanaw	Males	90	11.19	6	11	10	8	8	6	12	3	7	6	8	
	Females	72	7	9	6	6	6	4	6	4	6	5	7	6	-

No returns from township of Rolland.
 No returns for 1878 from the county clerk to the State department.

TABLE IV.—Continued.—Births by Counties, by Months, and by Sex.

							1	ION	rhs,	1878.					
COUNTIES.	SEX.	YEAR, 1878.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
	Total	752	51	60	53	70	60	65	61	84	61	70	54	61	
	Males	404	28	83	27	35	38	33	36	56	27	36	25	28	
Lenawee	Females	844	22	26	26	35	21	32	25	27	34	84	29	83	ļ
	Unknown	4	1	1			1			1					ļ
	Total	449	80	25	<b>3</b> 3	36	40	46	32	44	85	47	36	45	
Livingston	Males	213	16	10	16	18	20	22	18	25	16	20	16	16	<u></u> .
_	Females	236	14	15	17	18	20	24	14	19	19	27	20	29	
	Total	87		2	1	1	3	6	2	7		3	6	5	l
Mackinac	Males	19		1	1		2	4	2	. 5		2	3	2	] <u></u>
	Females	18		1		1	1	2		5		1	3	8	
	Total	693	36	40	61	62	50	55	59	72	61	66	61	70	
	Males	379	16	17	27	37	24	35	43	42	27	40	84	87	
Macomb	Females	313	20	23	84	25	26	20	16	29	84	26	27	83	ļ
	Unknown	1								1					ļ
	Total	355	18	28	33	35	38	30	30	22	87	83	18	32	
Manistee	Males	190	7	11	14	20	20	20	16	12	18	22	12	17	
	Females	165	11	17	19	15	18	10	14	10	19	11	6	15	ļ
	Total	30	1	1	3	2	1	4	7	4	2	8	2		ļ
Manitou	Males	16	1	1	1		1	3	4	2		2	1		ļ
	Females	14			2	2		1	8	2	2	1	1		ļ
	Total	721	41	61	62	55	64	56	49	59	76	47	64	87	١
Marquette	Males	379	24	82	31	32	29	32	25	33	41	25	29	46	 
_	Females	342	17	29	81	23	35	24	24	26	85	22	85	41	
	Total	183	7	16	16	25	21	18	16	9	18	12	12	18	ļ
Mason	Males	94	2	8	5	17	8	8	8	5	7	3	10	13	ļ
	Females	89	5	8	11	8	13	10	8	4	6	9	2	5	١
	Total	265	22	13	24	23	25	28	20	22	21	29	22	15	
	Males	126	14	8	14	8	11	10	11	13	8	14	7	7	
Mecosta	Females	187	8	5	10	15	13	18	9	9	13	15	14	8	ļ
	Unknown	2					1						1		١
	Total	45	4	4	2	6	2	6	2	2	5	2	5	5	ļ
Menomineeb	1	23	2	1		5		4	1	1	3	2	2	2	
	Females	22	2	8	2	1	2	2	1	1	2		3	8	
	Total	169	8	15	18	10	19	18	15	18	14	11	13	10	
Midland	Males	83	4	10	9	7	10	10	3	8	7	5	6	4	
	Females	86	4	5	9	3	9	5	12	10	7	6	7		

Bo returns from townships of Hendricks, Holmes, Newton, and St. Ignace. No returns from townships of Cedarville, Breitung, and Spaulding.

TABLE IV .- Continued. Births by Counties, by Months, and by Sex.

							1	Mon:	THS,	1678.					
COUNTIES.	SEX.	YEAR, 1878.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
	[Total	38	2	8	5	4	4	8	8	4	2	8	8	1	1
Missaukee	Males	17	1	1	8	1	1	8	1	2	1	1	2		<b> </b> .
	Females	21	1	2	2	8	8		2	2	1	2	1	1	1
	[Total	859	68	44	78	78	54	55	68	91	102	72	65	89	<b> </b>
Monroe	Males	445	38	20	84	50	81	19	83	52	62	86	26	44	<b></b>
MOBIO	Females	412	25	24	44	27	23	85	85	39	40	36	89	45	}
	Unknown	2	<b> </b> .			1	 	1							
	[Total	605	83	34	42	50	60	50	46	64	75	45	48	58	
	Males	883	18	19	28	29	83	29	25	86	44	28	19	80	 
Montcalm	Females	271	15	15	19	2)	27	21	21	27	81	17	29	23	
	Unknown	1								1					
	(Total	533	84	41	42	46	44	40	47	84	58	44	45	59	4
Muskegon	Males	290	21	27	19	28	25	27	23	15	26	27	23	36	,
	Females	284	18	14	28	18	19	13	24	19	27	17	22	28	9
	Total	213	14	18	20	27	16	25	21	12	22	20	28	29	1
	Males	185	7	8	15	17	5	13	8	7	13	18	8	21	<b></b>
Newaygo	{   Females	105	7	4	5	10	11	12	12	5	9	7	15	8	<u>                                     </u>
	Unknown	8		1					1						١,
	(Total	641	44	82	51	58	48	44	50	57	60	89	57	68	١,
	Males	321	28	16	22	25	25	17	21	30	38	39	26	82	١,
Oakland	{ } Females	816	15	16	29	81	23	27	29	27	22	29	81	86	,
	Unknown	4	1			2						1			
	Total	275	11	16	14	19	28	24	26	25	24	20	82	36	
Oceana	Males	184	5	10	4	11	16	10	13	9	11	11	18	21	
•••••	Females	141	6	6	10	8	12	14	13	16	13	9	19	15	
	Total	5	3	1		1									
Ogemaw	Males	8	1	1		1									
• 6 • • • • • • • • • • • • • • • • • •	Females	2													
	(Total	es es	5	8	2	9	7	8	4	10	4	8	7	7	
Ontonagon	Males	84	2	2	1	6	4	2		6	8	2	2	4	l
	Females	35	3	6	1	8	8	1	4	4	1	1	5	3	
	(Total	257	15	20	17	22	16	22	29	29	25	20	21	21	
	Males	145	7	13	10	15	7	11	16	17	14	9	12	14	
Osceola	Females	111	8	7	7	7	9	11	13	12	10	11	9	7	
	Unknown	",					l.				1	"	l		l
	(	1 1	١								<u> </u>				

<sup>•</sup> No returns from township of Montague. 3—1878.

TABLE IV .- CONTINUED .- Births by Counties, by Months, and by Sex.

							-	Mon	тня,	1878.					
COUNTIES.	Sex.	YEAR, 1878,	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
	(Total	23	5		1	4	2	2	2	3	2	1		1	
Otsego	Males	14	3		1	3	2	2			2			1	
	Females	9	2			1			2	3		1			-
	Total	859	53	71	68	79	74	69	72	82	65	75	63	87	
	Males	423	32	28	36	37	29	38	39	36	31	44	29	43	
Ottawa	Females	434	21	43	32	41	45	31	32	46	34	31	34	44	
	Unknown	2				1			1						
1-1- 2	Total	92	6	5	9	9	4	8	7	9	5	13	7	10	1
Presque Isle	Males	45	5	2	3	5	2	4	4	5	3	2	3	7	-
- Anna -	Females	47	1	3	6	4	2	4	3	4	2	11	4	3	
	(Total	5					1	1	1	1		-	1	0	
Roscommon	Males	4				****	1	1	1		****	****	7 3		
	The state of the s	3										****	1		**
	Females	1	****							1	****				
	Total	1,391	85	98	121	113	115	116	112	129	115	132	117	138	**
Saginaw	Males	715	52	47	69	57	64	56	52	76	61	68	46	67	
	Females	676	33	51	52	56	51	60	60	53	54	64	71	71	-
	Total	623	24	36	53	57	52	54	53	47	68	78	42	59	
Sanilac	Males	339	13	22	33	32	25	37	28	20	34	38	23	34	
	Females	283	11	14	20	25	27	17	25	27	34	39	19	25	
9	Unknown	1										1			
	Total	14	1		2	1	2	1	2	3	1		1		
Schoolcraft	Males	6				1	1	1		1	1		1		
1000	Females	8	3		2		1		2	2					44
7.1	Total	510	29	35	39	39	41	44	42	49	50	42	40	60	
hiawasseob	Males	256	18	18	20	19	21	24	22	23	24	22	20	25	
	Females	254	11	17	19	20	20	20	20	26	26	20	20	35	
	Total	977	46	85	80	84	70	59	68	95	102	97	90	100	
t. Clair	Males	522	24	49	46	52	32	27	30	46	56	51	53	56	
The state of the s	Females	455	22	36	34	32	38	32	38	49	46	46	37	44	
	Total	489	27	31	36	34	41	37	32	52	47	50	47	55	
t. Joseph	Males	246	13	19	18	18	21	22	17	24	24	20	26	24	
The state of the s	Females	243	14	12	18	16	20	15	15	28	23	30	21	31	-
	Total	515	23	31	40	52	43	56	49	48	33	48	44	48	
Cuscola	The second second				20	30	22	30	24	22	21		-		-
The state of the s	Males	262	14	18					-	200		21	20	20	***
	Females	253	9	13	20	22	21	26	25	26	12	27	24	28	***

<sup>\*</sup> No returns from township of Munising.
b No returns from township of Burns.

TABLE IV.—CONTINUED.—Births by Counties, by Months, and by Sex.

							1	Mon	ГН8,	1878.					
COUNTIES.	Sex.	YEAR, 1878.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
<u> </u>	[Total	616	34	42	49	46	54	44	53	50	58	61	59	66	
W D	Males	317	11	19	32	26	22	21	26	27	31	33	40	29	
Van Buren	Females	298	23	23	17	20	32	23	27	23	27	27	19	37	
	Unknown	1										1			ļ
Washtonaw	f Total	589	33	31	44	39	50	56	38	59	63	48	50	78	<b> </b>
	Males	306	18	13	21	21	25	31	21	34	29	31	27	35	
Washions W	Females	281	15	18	23	18	25	25	17	24	34	17	23	42	ļ
	Unknown	2								1				1	<b>.</b>
•	[Total	5,192	413	443	458	405	362	360	411	411	485	446	498	500	<b> </b>
<b>T</b>	Males	2,765	219	251	242	207	190	203	231	212	261	243	254	252	
Wayne	Females	2,410	191	191	215	197	171	157	180	199	221	203	243	242	<b> </b>
	Unknown	17	3	1		1	1				3		1	6	
	[Total	199	15	15	9	19	24	11	15	18	13	23	12	25	
Wexford	Males	95	9	5		12	10	3	8	12	5	10	8	9	ļ
wexiord	Females	101	4	10		7	14	8	7	6	8	12	4	16	<b> </b>
	Unknown	. 3	2			****						1			١

TABLE V.—Exhibiting, by Color and by Sex, the Number of Children returned as having been born in Michigan during the Year 1878, and the Per Cent. of Children of each Sex to the Total Number of both Sexes. (Still-births included.)

COLOR OR RACE.	Sex.	Children Born in 1878,	Per Cent. of births of each Color to total of all Colors, by Sex.	Per Cent. of each Ser to Children of both Sexes.
	[Total	35,162	100.00	
All Colors	Males	18,224	100.00	51.93
All Colors	Females	16,871	100.00	48.07
	(Unknown	67	100.00	
	[Total	34,716	98.73	
	Males	18,021	98.89	51.99
White	Females	16,643	98,65	48.01
	Unknown	52	77.61	
	[ Total	125	.36	
Black	Males	58	.32	46.40
	Females	67	.40	53,60
	[Total	81	.23	
Mulatto	Males	36	.20	44.44
	Females	45	.27	55.56
	[Total	160	.46	
* ***	Males	78	.43	49.06
Indian	Females	81	.48	50.94
	Unknown	1	1,49	
	(Total	80	.23	
Probacon asles	Males	31	.17	46.97
Unknown color	Females	35	.21	53.03
	Unknown	14	20,90	
	[Total	205	.59	
Black and Mulatt	o. Males	94	.52	45.63
	Females	112	.66	54.37

Table VI. shows, by color and by sex, the number of inhabitants of Michigan in 1874 represented by returns of births for 1878, and the number of children born in 1878; also the males to 100 females born in 1878, and by sex, the birth-rate in 1878 based upon the births returned for 1878 and the population in 1874. There are three counties for which no statement of the birth-rate is made; and of the remaining 74 counties, in 18 counties there was a greater than average birth-rate, and more than average proportion of males; in 26 counties there was a greater than average birth-rate, and less than average birth-rate, and more than average proportion of males.

TABLE VI.—Exhibiting for the State and Counties of Michigan, by Sex, the Number of Inhabitants in 1874, the Per Cent. of Births Returned for 1878 to Population in 1874, the Number of Males to 100 Females born during the Year 1878, and by Sex and by Color the Number of Children returned as having been born during the Year ending December 31, 1878. (Stillbirths included.)

300	Births,-		Per Ct. of Births	Popula-	Per Ct. of Births	C01.	ок,—Сн	ILDREN	BOR!	N IN 18	78.
AND COUNTIES.	Males to 100 Females.	SEX.	of each Sex to Total of both Sexes.	1874 Represented by Births in 1878.	of each Sex to Popula- tion of same Sex.	Total of all Colors.	White,	Black,	Mu- latto.	In- dian.	Unk.
		Total		1,328,485	2.63	35,162	54,716	125	81	160	8
	-	Males	51.93	694,143	2.63	18,224	18,021	h 58	36	o 78	3
statea	108 -	Females.	48.07	634,337	2.66	16,871	16,643	a 67	45	" 81	3
		Unknown				67	52			1	1
	1	Total		1,214	2.80	34	34				
Alconaf	79	Males	44.12	688	2.18	15	15		*****		
	1 3	Females	55,88	526	3,61	19	19				
	1 3	Total		32,381	2.51	813	797	2	11	3	
	101	Males	50,37	16,976	2.41	409	402	1	5	1	
Allegan	101	Females .	49,63	15,405	2.62	403	394	1	6	2	
	1 12	Unknown				1	1				
		Total		4,807	4.04	194	194				
Name of the last	127	Males	55,96	2,808	3,85	108	108				
Alpena	121	Females .	44.04	1,999	4.25	85	85				
	1	Unknown				1	1				
	10	Total		3,002	3.00	90	86			3	
Antrim	100	Males	50.00	1,654	2.72	4.5	42			2	
	13	Females	50.00	1,348	3,34	45	44			1	
	100	Total				54	41			13	
Baragas	135	Males	57.41	8		31	23			1 8	
		Females .	42.59			23	18			1 5	
		Total	*******	22,051	2,19	482	482	-			
Barry	110	Males	52.49	11,588	2.18	253	253			******	
	1	Females.	47.51	10,463	2.19	229	229				*****
		Total		24,832	3.70	920	914	-	1	5	***
Bay	96	Males	49,02	13,657	3.30	451	419			2	
		Females.	50,98	11,175	4.19	469	465		1	3	

<sup>\*</sup> For counties and townships from which no returns of births were received, see Table XXI.

b Includes 6 "Colored."

' Includes 6 "White and Indian," 4 "Half-Indian," and 9 "Half-breed."

d Includes 7 "Colored."

Includes 7 "White and Indian," 3 "Half-Indian," 14 "Half-breed," and 1 "Red."

Includes white and Indian," 3 "Half-Indian," 14 "Half-breed," and 1 "Red."

For counties, and 9 "Half-breed,"

Includes population of Oscoda county.

Population of Baraga county is included in statement of population of Houghton county, and cannot be ascertained.

Includes 4 "Half-Indian."

Includes 3 "Half-Indian."

TABLE VI.—CONTINUED.—Births by Counties, by Sex, and by Color.

	Births,—		Per Ct. of Births	Popula- tion in	Per Ct. of Births	Cor	or,—Ch	ILDRE	r Bor	N IN I	378.
COUNTIES.	Males to 100 Females.	SEX.	of cach Sex to Total of both Sexes.	1874, Represented by Births in 1878.	of each Sex to Popula- tion of same Sex.	Total of all Colors.	White.	Black,	Mu- latto.	In- dian.	Unk.
	1	Total		2,663	3.15	84	82		2		
Benzle	105	Males	51.19	1,422	8.02	43	41		2		
		Females	48.81	1,241	3,80	41	41				
		Total		85,029	2.20	771	. 760	6	4		1
Berrien	107	Males	51.63	17,942	2.21	897	894	b 2	1		
Dellien	" ]	Females	48.87	17,087	2,18	372	365	b 4	8		
	į į	Unknown				2	1				1
	!!!	Total		25,726	1.87	482	475		<b> </b> -		7
Branch	103	Males	50.73	13,041	1,87	244	241				8
D140011	100	Females.	49,27	12,685	1.87	287	233				4
	(	Unknown				1	1				
	1 1	Total		85,655	1.67	594	588	2	2	2	5
Calhoun	102	Males	50.51	18,156	1.65	299	291	1	1		8
Carnoun	102	Females .	49.49	17,499	1,67	29%	287	1	1	2	2
		Unknown				2	2		<b></b>		
	<u> </u>	Total	 	20,525	2,18	447	419	4	22		2
Cass	110	Males	52.35	10,592	2.21	234	225	ь з	٥		1
	'	Females.	47.65	9,933	2.14	213	194	1	17		1
	1 :	Total	<b> </b>	2,360	5.00	118	118			5	
Charlevoix.	115	Males	53 39	1,280	4.92	68	59		<b> </b> -	4	
•		Females.	46.61	1,090	5.09	55	54			1	
		Total		8,070	8.91	120	116		1	8	ļ
Chaharen	70	Males	41.18	1,706	2.87	49	46		1	2	
Cheboygan	/ 10	Females.	58.83	1,364	5.18	70	69			1	
	1 1	Unknown				1	1				
	,	Total	ļ	1,617	6.12	99	75			24	
Chippewa	90 4	Males	47 47	918	5. 12	47	86			• 11	<b></b>
		Females.	52.53	699	7.44	52	89			4 18	
		Total	<b> </b>	1,354	5.91	80	80			ļ	ļ
Clare	82	Males	45.00	745	4.83	36	36				
		Females .	55,00	609	7.22	44	44				
		Total	ļ	23,661	2,60	615	614	1			
Clinton	105	Males	51.22	12,162	2.59	315	815			<b> </b>	
		Females .	43.78	11,499	2.61	300	299	1		<b> </b>	<b> </b>
	l		<u> </u>	<u> </u>	<u> </u>		<u> </u>	<u> </u>	<u> </u>	ı	

<sup>•</sup> For counties and townships from which no returns of births were received, see Table XXI.
• Includes 1 "Colored."
• Includes 9 "Half-breed."
• Includes 12 "Half-breed.

CABLE VI.—CONTINUED.—Births by Counties, by Sex, and by Color.

	Births,-		Per Ct. of Births	Popula-	Per Ct. of Births	COL	OR,-CE	HLDRE	N BOE	IN IN	1878.
INTIES,A	Males to 100 Females.	SEX.	of each Sex to Total of both Sexes.	1874 Represented by Births in 1878.	of each Sex to Popula- tion of same Sex.	Total of all Colors.	White.	Black,	Mu- latto.	In- dian.	Unk
		Total				13	13				
wfordb	86	Males	46.15			6	6				
		Females	53.85			7	7				
		Total		4,741	3.40	161	158			3	
a	104	Males	50,93	2,882	2.85	82	81			1	
		Females .	49,07	1,859	4.25	79	77	*****		0 2	
1000	1	Total		26,907	2.25	605	604	1			
1		Males	48.84	13,875	2.13	295	294	d 1			
n	95	Females.	51.16	13,032	2.37	309	309				
	1	Unknown				1	1				
17	(	Total	*******	1,272	8.18	104	66	*****		38	
		Males	48.54	669	7.47	50	31			19	
net	94 3	Females.	51.46	603	8.79	53	35			18	
1	i	Unknown				1		******		1	
	r	Total		34,568	2.22	768	765	2	1		
sce	96 -	Males	49.09	17,536	2,15	377	376	1			
	-1	Females.	50.91	17,032	2.30	391	389	1	1		****
	1	Total		265	6.79	18	18				
win	125	Males	55,56	145	6.90	10	10				
1	1	Females.	44,44	120	6.67	8	8				
	r	Total		5,349	2.77	148	148				
raverse	131	Males	56,76	2,801	3.00	84	84				
-	1	Females.	43,24	2,548	2.51	64	64				
		Total		13,886	3.00	416	416				
iot	116	Males	53,61	7,304	3.05	223	223				
-		Females.	46,39	6,592	2.93	193	193				
	1	Total		31,566	1.62	510	510				
dale	107	Males	51.76	15,971	1.65	264	264				
	1	Females.	48.24	15,595	1.58	246	246				
	2	Total		19,030	4.80	914	914				
1000		Males	51.48	11,013	4.26	469	469				-
ghton_"	106 3	Females.	48.52	8,017	5.51	442	442				
	1 1	-	1	-	-	1	1	-		1	-

or townships from which no returns of births were received, see Table XXI.
organized since census was taken.
ncludes 2 "Half-breed."
ncludes 1 "Colored."
'opulation of Baraga county is included in statement of population of Houghton county, and ot be ascertained.

TABLE VI.—CONTINUED.—Births by Counties, by Sex, and by Color.

	Births,—		Per Ct. of Births	Popula- tion in	Per Ct. of Births	Con	or,—Ch	ILDREI	BOR	M 1M 18	378.
COUNTIES.	Males to 100 Females.	Sex.	of each Sex to Total of both Sexes.	1874 Represented by Births in 1878.	of each Sex to Popula- tion of same Sex.	Total of all Colors.	White.	Black.	Mu- latto.	In- dian.	Unk.
	ſ	Total		11,964	4.76	570	570				
Haron	110 {	Males	52,28	6,614	4.51	298	298			ļ	•
	(	Females.	47.73	5,850	5.08	272	272				
	(	Total		29,193	2.03	593	579	3			11
Ingham	111	Males	52.70	15,204	2.05	812	806	1	<b> </b> -		
		Females.	47.30	13,969	2.00	280	273	b 2	ļ		•
	(	Unknown				1	1				ļ
	]	Total		28,376	2.19	621	621				
Ionia	104	Males	50.97	14,788	2.14	316	316				
		Females.	49.03	13,598	2.24	804	804				
	(	Unknown		<b></b>		1	1			ļ	
	i 1	Total		4,575	1.49	66	68				
Iosco	184	Males	57.85	2,706	1.44	39	89				
	(	Females .	42.65	1,889	1.55	29	29				
	1	Total		5,766	8.97	229	217		1	11	
Esabellaa	103	Males	50.66	8,120	8.72	116	109		1	6	
		Females _	49.84	2,646	4.27	118	108			5	ļ
Esle Royal.					<b> </b> -		••••				
	! !	Total	52.76	37,988	2.05	779	774	4			1
Jackson	112	Males	47.94	19,853	2.07	411	409	2		<b> </b> -	
	(	Females.		18, 135	2.03	368	365	9			,
	1 1	Total		82,284	1.84	593	532	7	2		,
<b>€alamazoo</b>	122	Males	54.90	16,583	1.96	325	819	b 4	2	ļ	
		Females.	45.10	15,701	1.70	267	263	8			1
	į į	Unknown		<b> </b>	ļ	1					1
		Total		1,259	5.24	66	66				
Kalkaska	78	Males	48,94	692	4.19	29	29				
	! (	Females.	56.06	567	6.53	87	87				
	1	Total		62,671	2.60	1,631	1,612	15	1		1
Kent	104	Males	50.95	82,576	2.54	829	822	6	1		
	1 444 )	Females .	49.05	30,095	2.65	798	789	9	l	1	ĺ
	1 1	romaics.	10.00	00,000		1 ***	,00				

a For townships from which no returns of births were received, see Table XXI.
b Includes 1 "Colored."
a No.returns from county cierk.

TABLE VI.—Continued.—Births by Counties, by Sex, and by Color.

	Births,—		Per Ct. of Births	Popula-	Per Ct. of Births	Corc	R,—CH	LDRE	BOR	N IN 19	378.
COUNTIES.	Males to lt:0 Females.	SEX.	of each Sex to Total of both Sexes.	1874 Represented by Births in 1878.	of each Sex to Popula- tion of same Sex.	Total of all Colors.	White.	Black,	Mu- latto.	In- dian.	Unk.
		Total		5,411	4.97	269	269				
T		Males	52.81	8,233	4.36	141	141				
Keweenaw .	112	Females.	47.19	2,178	5.79	126	126				
		Unknown				2	2				
	]	Total		1,913	8.81	69	68		<b> </b>	1	ļ
Lake	92	Males	47.63	1,015	8.25	83	32		<b> </b>	1	
	i	Females.	52.17	798	4.51	36	36	ļ			<b> </b>
		Total		25,140	2.15	540	537	<b></b>	3		
Lapeer	107	Males	51.76	13,095	2.13	279	278		1		
-	i i	Females.	48.24	12,045	2.16	260	258		2		
	, ,	Unknown		<b>-</b>		1	1			ļ	
_		Total		5,031	8.22	162	156			6	
Leelanaw	125	Males	55.56	2,692	8.34	90	88			3	
	1	Females.	44.44	2,339	8.09	72	68			4	
	1	Total		46,084	1.63	752	745	5	1		
Lenawee	117	Males	54.01	23,256	1.74	404	300	4	1		
		Females.	45.99	22,828	1.51	844	848	1			
	]	Unknown Total		20,329	2.21	449	8 449				
Livin <b>gsto</b> n	90	Males	47.44	10,569	2.02	213	218				
DIVIUBOOD		Females .	52.56	9,760	2.42	236	236				•
		Total	02.00	872	9.95	87	23			15	
Mackinac	106	Males	51.85	198	9.84	19	13			. 6	
		Females.	48.65	179	10.06	18	9			. 9	
		Total		28,305	2.45	698	690	1	2		
		Males	54.77	14,367	2.64	879	878		1		
Macomb	121	Females_	45.23	13,938	2.25	318	811	1	1		
		Unknown			ļ	1	1			 	
		Total	••••	8,471	4.19	355	855				
Manistee	115	Males	53.52	4,792	8.96	190	190				
	[	Females .	46.48	8,679	4.48	165	165				
		Total		657	4.57	30	30		•••••		
				1	i			I 1		1	
Manitou	114	Males	53.33	864	4.40	16	16			•••••	

<sup>■</sup> For townships from which no returns of births were received, see Table XXI. ■ Includes 6 "White and Indian."

■ Includes 9 "White and Indian."

TABLE VI.—CONTINUED.—Births by Counties, by Sex, and by Color.

	Births.—		Per Ct. of Births	Popula- tion in	Per Ct. of Births	Core	ов,—Сні	LDREN	Born	1 1X 18	78.
COUNTIES.	Males to 100 Females.	Sex.	of each Sex to Total of both Sexes.	1874 Represented by Births in 1878.	of each Sex to Popula- tion of same Sex.	Total of all Colors.	White.	Black.	Mu- latto.	In- dian.	Unk.
		Total		11,964	4.76	570	570				
Huron	110	Males	52.28	6,614	4.51	298	298				
	į	Females .	47.72	5,350	5.08	272	272				
		Total		29,193	2.03	598	579	3			11
Tneham	111	Males	52.70	15,204	2.05	812	806	1		•••••	5
Ingham	***	Females.	47.30	13,989	2.00	290	273	b 2			6
		Unknown				1	1				
		Total		28,376	2.19	621	621				
Ionia	104	Males	50.97	14,788	2.14	316	816				
10nm	104	Females.	49.03	18,598	2,24	804	804				
		Unknown		•		1	1				
	† [	Total		4,575	1.49	66	68				
I0000	134 -	Males	57.85	2,706	1.44	39	39				
	Į.	Females .	42.65	1,869	1.55	29	29				•
		Total		5,766	8.97	229	217		1	11	
fisabellaa	103	Males	50.66	8, 120	8.72	116	109	İ	1	6	
		Females .	49.34	2,645	4.27	113	108		<b></b> -	5	j
Isle Royal.					<b></b>		<b> </b>	,			
		Total	52.76	87,988	2.05	779	774	4			1
Jackson	112	Males	47.24	19,853	2.07	411	409	2	 		
		Females .		18,135	2.03	368	365	2			1
		Total		82,284	1.84	593	592	7	9		2
		Males	54.90	16,588	1.96	325	819	. 4	2		
Kalamazoo	123	Females .	45.10	15,701	1.70	267	263	8		ļ	1
	ļ	Unknown			<b> </b>	1		ļ			1
	Ì	Total		1,259	5.24	66	66	l			
Kalkaska	. 78	Males	48,94	692	4.19	29	29				
		Females.	56.06	567	6.53	87	87	<b> </b>			
		(Total		62,671	2.60	1,631	1,612	15	1		8
		Males	50.95	82,576	2.54	829	822	6	1		
Kent	104	Females.	49.05	30,095	2.65	798	789	9			
		   Unknown			<b> </b>	4	1				8
	1		1	1	1	1 -	, -	1	1	1	1

a For townships from which no returns of births were received, see Table XXI.
b Includes 1 "Colored."
c No returns from county clerk.

TABLE VI.—Continued.—Births by Counties, by Sex, and by Color.

	Births,—		Per Ct. of Births	Popula- tion in	Per Ct. of Births	Corc	r,—Chi	LDREN	BOR	( IN 18	78.
COUNTIES.	Males to 100 Females.	SEX.	of each Sex to Total of both Sexes.	1874 Represented by Births in 1878.	of each Sex to Popula- tion of same Sex.	Total of all Colors.	White.	Black,	Mu- latto.	In- dian.	Unk.
	1	Total		5,411	4.97	269	269				
Keweenaw.	112	Males	52.81	8,233	4.36	141	141				
TC M COHON .	''* }	Females.	47.19	2,178	5.79	126	126				
	(	Unknown				2	2				
	۱ ۱	Total		1,813	8.81	69	68			1	
Lake	92 {	Males	47.63	1,015	8.25	83	32			1	
	{	Females.	52.17	798	4.51	36	36				
	1 1	Total		25,140	2.15	540	537		3		
Lapeer	107	Males	51.76	13,095	2.13	279	278		1		
Dapeer	10.	Females.	48.24	12,045	2.16	260	258		2		
	i	Unknown				1	1				
	1 1	Total		5,031	8.22	162	156			6	
Leelanaw	125	Males	55.56	2,692	8.34	90	88			2	
		Females.	44.44	2,339	8.09	72	68			4	
	(	Total		46,084	1.63	752	745	5	1		1
Lenawee	117	Males	54.01	23,256	1.74	404	399	4	1		
LCUA W CO	""	Females.	45.99	22,828	1.51	844	843	1			
	1 1	Unknown	<b> </b>		ļ	4	8		ļ		1
	1 1	Total		20,829	2.21	449	149	•••••			
Livingston	90	Males	47.44	10,569	2.02	213	218		ļ		
	1	Females.	52.56	9,760	2.42	236	236				<b></b>
	1 :	Total	<b> </b>	872	9.95	87	22			15	
Mackinac	106	Males	51.85	198	9.84	19	13		ļ	<b>b</b> 6	ļ
		Females.	48.65	179	10.06	18	9			•. 9	
	i i	Total		28,305	2.45	698	690	1	2		
Macomb	121	Males	54.77	14,367	2.64	879	878		1		
Z400MU		Females .	45.23	13,938	2.25	818	811	1	1		
		Unknown				. 1	1			j	
	İ	Total		8,471	4.19	355	855				
Manistee	115	Males	53.52	4,792	8.96	190	190				ļ <b>-</b>
		Females.	46.48	8,579	4.48	165	165				
		Total	ļ	657	4.57	80	80		ļ		
Manitou	114 -	Males	53.33	364	4.40	16	16				
	1	Females.	46.67	293	4.78	14	14	1	l	ı	1

For townships from which no returns of births were received, see Table XXI.
 Includes 6 "White and Indian."
 Includes 9 "White and Indian."

TABLE VI.—CONTINUED.—Births by Counties, by Sex, and by Color.

	Births,—		Per Ct. of Births	Popula- tion in	Per Ct. of Births	Cor	ов,—Сн	ildre:	n Bor	N IN I	878.
COUNTIES	Males to 100 Females.	SEX.	of each Sex to Total of both Sexes.	1874 Represented by Births in 1878.	of each Sex to Popula- tion of same Sex.	Total of all Colors.	White.	Black.	Mu- latto.	In- dian.	Unk.
		Total		21,946	8.29	721	721				
Marquette	111	Males	52.57	12,893	2,94	879	879				
	(	Females.	47.43	9,053	3.78	842	842				<b> </b>
	1 (	Total		5,361	8,41	183	180			8	ļ
Mason	106	Males	51.37	2,971	8.16	94	92			2	ļ
	(	Females.	48.63	2,390	8.72	89	88			1	<b></b>
	! !	Total		9,132	2.90	265	257		5	8	
Mecosta	92	Males	47.91	4,874	2.59	126	122		8	1	<b> </b> -
Wiccoses	" ]	Females.	52.09	4,258	8.22	187	133		2	2	ļ
	{	Unknown				2	2			}	ļ
	۱ (	Total		8,248	1.39	45	43			2	,
Menominee.	105	Males	51,11	2,054	1,12	28	20		•••••	2	
	(	Females.	48.89	1,194	1.84	22	22		•••••		ļ
	1	Total		4,765	8.55	169	169				
Midland	97 {	Males	49.11	2,593	3.20	83	83				ļ
	(	Females.	50.89	2,172	8.96	86	86				
	ĺí	Total		606	6.27	88	<b>3</b> 8				
Missaukee	S1 <b>₹</b>	Males	44.74	895	4.80	17	17				
	(	Females	55.26	211	9.95	21	21				<b></b>
	l :	Total		80,111	2.85	859	857	1			,
<b>V</b>		Males	51.98	15,302	291	445	445		••••		<b></b>
Monroe	108 }	Females	48.07	14,809	2.78	412	411	1			]
	(	Unknown				2	1				,
	l	Total		20,815	2.91	605	602	<b></b>			8
` <b>`</b>		Males	55.13	11,311	2.94	833	333				<b> </b> -
Montcalm	123 {	Females	44.87	9,504	2.85	271	269				2
	<b>;</b> {	Unknown				1	•••••				) )
	1 1	Total		18,015	2.96	533	583				<b> </b>
Muskegon	128	Males	56.10	10,015	2,99	299	299	<b> </b>			 
		Females	43.90	8,000	2 93	234	234				<b> </b>
	(	Total		8,758	2.77	243	242	1			
<b>37</b>		Males	56.25	4,879	2.77	135	135	<b> </b>	<b></b>		<b>.</b>
Newaygo	129 {	Females.	48.75	3,879	2.71	105	104	1			
	1 !	Unknown	1	1	1	8	3	t	l	İ	l

<sup>.</sup> For townships from which no returns of births were received, see Table XXI.

TABLE VI.—Continued.—Births by Counties, by Sex, and by Color.

	Births,—		Per Ct. of Births	Popula- tion in	Per Ct. of Births	Cor	or,—Ch	ILDRE	N BOR	N IN 1	878.
COUNTIES.	Males to 100 Females.	SEX.	of each Sex to Total of both Sexes.	1874 Represented by Births in 1878.	of each Sex to Popula- tion of same Sex.	Total of all Colors.	White.	Black.	Mu- latto.	In- dian.	Unk.
	ſ	Total		88,082	1.68	641	636	1	8		1
Oakland	102 -	Males	50.89	19,446	1,65	821	817	1	3		
OBE INDUCTION		Females.	49,61	18,636	1,70	816	816		<b> </b> -	<b></b>	ļ
	i	Unknown				4	3				] 1
	ſ	Total		8,360	8.29	275	264			11	
Oceana	95 -	Males	48,73	4,581	2,93	134	132			2	ļ
	į	Females	51,27	8,779	8,78	141	182			9	ļ
	(	Total		207	2.41	5	5			<b></b>	
Ogemaw	150	Males	60.00	153	1,96	8	8				
	1	Females.	40,00	54	8.70	2	2				
	ſ	Total		2,406	2,87	69	(19				
Ontonagon	97	Males	49,28	1,276	2,66	84	84			<b> </b>	<b></b>
	l	Females.	50,72	1,180	8, 10	85	85		<b> </b>		
		Total		6,216	4.18	257	256				1
		Malos	56.64	8,491	4,15	145	145				
Osceola	181	Females	43,86	2,725	4.07	111	111			<b> </b> -	
	{	Unknown				1					1
	(	Total		238	9.66	23	28			<b></b>	
Otsego	156 -{	Males	60.87	162	8.64	14	14		<b> </b>		
	{	Females	39.13	. 76	11.84	9	9				] <b></b> -
		Total		29,929	2.87	859	856	2			1
_		Males	49.36	15,789	2 68	423	428				
Ottawa	97	Females .	50,61	14,140	8.07	434	432	2			
		Unknown				2	1				1
	1	Total		1,615	5,70	92	92				
Presque Isle	96	Males	48,91	851	5,29	45	45				
	1	Females	51.09	764	6.15	47	47				
	1	Total		276	1.81	5	5				<b></b>
Roscommon.	400	Males	80,00	187	2.14	4	4				
		Females	20,00	89	1.12	1	1				
		Total		48,409	2.87	1,391	1,383		1	7	ļ
Saginaw	106 {	Males	51.40	25,968	2.75	715	709		1	5	
	l	Females	48.60	22,441	8.01	676	674	1		2	1

<sup>•</sup> For townships from which no returns of births were received, see Table XXI.

TABLE VI.—CONTINUED.—Births by Counties, by Sex, and by Color.

					-		_		•		
	Births,—		Per Ct. of Births	Popula- tion in	Per Ct. of Births	Core	ок,—Сні	LDREN	BOR	N IN 18	78.
COUNTIES.	Males to 100 Females.	SEX.	of each Sex to Total of both Sexes.	1874 Represented by Births in 1878.	of each Sex to Popula- tion of same Sex.	Total of all Colors.	White.	Black,	Mu- latto.	In- dian.	Unk.
		Total		16,292	3.82	623	622				1
		Males	54.50	8,652	3.92	839	339				
Sanilac	120	Females	45.50	7,640	3.70	283	283				
	i	Unknown				1		ļ			1
		Total		818	1.71	14	14		<b> </b> -		
Schoolcraft.	75	Males	42.86	504	1.19	6	6	ļ	<b> </b> -	<b> </b>	
,	į	Females	57.14	314	2.55	8	8			<b></b>	
		Total		20,275	2.52	510	510		<b> </b>		
Shiawassee.	101	Males	50,20	10,487	2.44	256	256				
	1	Females	49.80	9,783	2.60	254	254		<b></b>		
	!	Total		40,688	2.40	977	941	1		ļ	85
St. Clair	115	Males	53.43	21,181	2.46	522	504	1			17
		Females	46.57	19,507	2.33	455	437				18
	1	Total		25,906	1.89	489	485	8	1		
St. Joseph	101	Males	50.31	13,267	1.85	246	244	2			
		Females	49.69	12,639	1.92	243	241	1	1		
	į į	Total		16,998	8.03	515	518		1	1	
Tuscola	104	Males	50.87	8,950	2.93	262	262				
	i	Females	49.13	8,048	8.14	253	251		ı	• 1	
		Total		29, 156	2.11	616	604	4	7	1	
Wan Dunan	,,,,	Males	51,54	15,062	2.10	817	818	2	1	1	
Van Buren	106 -	Females	48,46	14,494	2.11	298	290	0 2	6		
	1	Unknown				1	1				
		Total		88,728	1.52	589	575	12	2		
Weektene	109	Males	52,13	19,553	1.56	306	301	3	3		
Washtenaw_	109 1	Females	47.87	19,170	1.47	281	272	. 9			
		Unknown	•••••		<b></b>	2	2				
	1	Total		144,903	8.58	5,192	5,138	46	7		1
W	,,,	Males	53.43	72,306	8.82	2,765	2,738	d 23	4		
Wayne	115	Females	46.57	72,597	3.32	2,410	2,384	d 23	3		
		Unknown				17	16				1
	. (	Total		8,011	6.61	199	197	1			1
Wantend		Males	48.47	1,752	5.42	95	95				•
Wexford	91	Fomales	51.53	1,259	8,02	101	100	• 1			
		Unknown				8	2				1
	·			<u> </u>	l	<u>'</u>			l		

For townships from which no returns of births were received, see Table XXI.
 Includes 1 "Red." • Includes 1 "Colored." • Includes 2 "Colored."

Table VII. shows the parent-nativity of children born in Michigan in 1878, as shown by the returns. Of all the children born, 46.42 per cent. were born of parents who were both native-born, and 34.10 per cent. were born of parents who were both foreign-born.

TABLE VII.—Exhibiting, by Sex, by Number, and by Per Cent. of Total, the Parent-Nativity of Children returned as having been Born in Michigan during the Year 1878.

			Ton	CAL BI	RTH5, 1	378.		
NATIVITY OF PARENTS  OF		Num	BER.		P	BE CENT	OF TOTAL	•
CHILDREN BORN, 1878.	Total.	Males.	Females.	Unk.	Total.	Males.	Females.	Unk.
All Nativities	<b>35</b> ,162	18,224	16,871	67	100,00	100.00	100.00	100.00
Both Parents Native	16,323	8,485	7,813	25	46.42	46.56	46.81	87.81
Both Parents Foreign	11,992	6,216	5,752	24	84.10	84.11	84.09	85.85
Foreign Father and Native Mother	8,861	1,954	1,904	8	10.98	10.72	11.29	4.48
Foreign Mother and Native Father	1,956	1,049	907		5.56	5.76	5.38	
Unknown Mother, Father Native	210	100	108	2	.60	.55	.64	2,98
Unknown Mother, Father Foreign	128	67	61		.86	.87	.86	
Unknown Father, Mother Native	205	100	104	1	.58	.55	.62	1.49
Unknown Father, Mother Foreign	84	32	51	1	.24	.18	.80	1.49
Both Unknown	408	221	171	11	1.15	1.21	1.01	10.49
One or Both Native	22,555	11,688	10,836	81	64.15	64.14	64.23	46.2
One or Both Foreign	18,021	9,318	8,675	28	51.25	51.18	51.42	41.79

Exhibit F is similar to Table VII., and shows, by parent-nativity, the number and per cent. of children born in this State during each of the years 1873-1878. It may be seen that 52.58 per cent. of all the mothers, and 57.99 per cent. of the fathers, in 1878, were native-born.

EXHIBIT F.—Parent-Nativity of Children Born in Michigan during each of the Years 1873 to 1878, inclusive, according to the Returns.

NATIVITY	18	73.	18:	74.	18	75.	187	76.	18	77.	18	78.
OF PARENTS OF CHILDREN BORN.	Num- ber.	Per Cent. of Total.	Num- ber.	Per Cent. of Total.	Num- ber.	Per Cent. of Total.	Num- ber.	Per Cent. of Total.	Num- ber.	Per Cent. of Total.	Num- ber.	Per Cent. of Total.
All Nativities	34,608	100.00	81,151	100.00	81,958	100.00	34,235	100.00	83,395	100.00	35, 162	100.00
Both Parents Native	16,202	46,81	13,341	42.83	14,226	44.51	15,551	45,42	15,270	45.78	16,328	46,49
Both Parents Foreign	11,946	84.52	10,517	33.76	11,120	84,80	11,901	84.76	11,557	84.61	11,992	84.10
Foreign Father and Native Mother	8,388	9.79	8,180	10.05	8,246	10.16	8,587	10,48	3,635	10.88	8,861	10,98
Foreign Mother and Native Father	1,941	5.61	1,680	5.39	1,727	5.40	1,863	5.46	1,948	5.83	1,956	5,56
One or Both Unknown	1,131	3.27	2,483	7.97	1,639	5.18	1,328	8,88	985	2.95	1,960	2,93
One or Both Parents Native	21,531 17,275		18, 151 15,327				21,006 17,356	61. <b>3</b> 6 50.70		1	22,140 17,809	<b>63.</b> 97 <b>50.65</b>
Native					16,309	51.08	17,703	51.71	17,892	82,08	18,489	52,58
Father Foreign	•••••				14,812	46.85	15,721	45,92	15,818	45.85	15,961	45,45
Unknown					837	2,62	811	2.37	690	2.07	692	1.97
Native				17,686	55.84	19,347	56,51	19,098	<b>57.19</b>	20,389	57.99	
Mother Foreign				12,961	40.56	13,853	40.46	13,599	40.72	14,032	89,91	
Unknown					1,311	4.10	1,085	8.02	696	2.09	741	2.11

a Excluding cases where nativity of either parent is unknown.

Table VIII. also contains data concerning the parent-nativity of children born in Michigan in 1878. The table may be studied with interest and profit.

TABLE VIII.—Exhibiting, for the State and Counties of Michigan, by Sex, the Total Number of Children returned as having been Born during the Year 1878, and the Parent-Nativity of such Children, so far as stated in the Returns. (Still-births included.)

					OF PAR		Мот	HER	FAT	HER	
STATE		Children		i	Foreign	Foreign	UN			K.	#   0
AND COUNTIES.	SEX.	Born, 1878.	Both Native.	Both Foreign	Father and Native	Mother and Native	Fat	her.	Mot	her.	Both Unknown.
			Native.	zoreigu.	Mother.	Father.	Na- tive.	For- eign.	Na- tive.	For- eign.	Both
	Total	35,162	16,823	11,992	3,861	1,956	210	128	205	84	403
Stateb	Males	18,224	8,485	6,216	1,954	3,049	100	67	100	82	221
State	Females	16,871	7,813	5,752	1,904	907	108	61	104	51	171
,	Unknown	67	25	24	8		2		1	1	11
1	Total	84	12	12	2	6				1	1
Alcona	Males	15	6	5		8					1
	Females .	19	6	7	2	8				1	ļ <u>.</u>
	Total	813	467	189	108	41	2	3	1	1	1
493	Males	409	244	86	56	18	1	2	1		1
Allegan	Females	403	223	102	52	23	1	1		1	
	Unknown	1		1							
	Total	194	30	127	20	10	<b></b> .	3	<b></b>	1	8
Alpena	Males	108	14	71	12	6		2	<b> </b>	1	2
er herre	Females.	85	16	55	. 8	•	<b></b>	1			1
1	Unknown	1		1	ļ		- <del></del> -				
	Total	90	44	27	13	1	8				9
Antrim	Males	45	19	14	9		2				1
	Females.	45	25	13	4	1	1				1
I	Total	54	13	30	9	1	<b></b> .		1		
Baraga	Males	81	8	15	7		•		1		ļ
i	Females	23	5	15	2	1	ļ				ļ
	Total	482	878	24	46	23	6	<b> </b>	2		8
Barry	Males	253	196	15	22	14	4		1		1
•	Females .	229	182	9	24	9	2		1		2
	Total	920	234	447	149	78	<b>-</b>	2	2	2	6
Bay	Males	451	115	221	73	85	<b></b>	1	2	2	2
	Females .	469	119	226	76	43		1	<b> </b>		4
	Total	84	41	20	12	10	1				
Benzie	Males	43	23	10	4	6					
	Females	41	18	10	8	4	1				

a "Native" includes only those born in the United States. Those cases in which the birthplace was returned as "America" were compiled with the "Unknown."

• For counties and townships from which no returns of births were received, see Table XXI.

TABLE VIII.—CONTINUED.—Births by Counties, Parent-Nativity, and Sex.

		Children			Foreign	Foreign		THER VK.		HER KK	OWB.
COUNTIES.	SEX.	Born, 1878.	Both	Both	Father and	Mother	Fat	her.	Mot	her.	Jukn
Berrien	Total Males Females.		Native.	Foreign.	Native Mother.	Native Father.	Na- tive.	For- eign.	Na- tive.	For- eign.	Both Unknown
	(Total	771	476	161	90	32	3		4		5
	Males	897	243	84	46	16	2		3		3
Berrien	Females.	872	233	76	43	16	1		1		2
	Unknown	8		1	1						
	Total	482	393	35	31	17	1		4		1
_	Males	244	201	17	15	9	1		1		
Branch	Females.	237	192	19	16	8	*****		3		
1	Unknown	1									1
	Total	594	415	69	53	17	16	6	4	1	13
	Males	299	200	40	27	10	8	3	3	1	7
Calhoun	Females .	293	214	29	26	7	8	3	1.		5
	   Unknown	2	1								1
	Total	447	354	32	35	15	1		7		3
Cass	Males	234	184	17	18	8			4		3
	Females	213	170	15	17	7	1		3		
	Total	118	48	30	28	8		1			3
Charlevoix	Males	63	23	20	15	4					1
	Females.	55	25	10	13	4		1			2
	Total	. 120	46	44	24	6					
	Males	49	20	15	11	3					
Cheboygan	Females.	70	25	29	13	3					
	Unknown	1	1								
	Total	99	36	37	14	5	1		5	1	
Chippewa	Males	47	20	17	9				1		
	   Females .	52	16	20	5	5	1		4	1	
	Total	80	39	22	8	6	2		1		2
Clare	Males	86	21	5	5	2	2				1
	Females .	44	18	17	3	4			1		1
	Total	615	444	90	49	24	1		3		- 4
Clinten	Males	315	222	46	28	14			2		3
	Females.	800	222	44	21	10	1		1		1
	Total	13	7	3	1	2					
Crawford	Males	6	4	1		1					
	Females .	7	3	2	1	1					

 <sup>&</sup>quot;Native" includes only those born in the United States. Those cases in which the birthplace was returned as "America" were compiled with the "Unknown."

TABLE VIII.—Continued.—Births by Counties, Parent-Nativity, and Sex.

·			N.	TIVITY	OF PAR	ENTS O	F CHII	DREN	Born	,—1878	•
CONTINUES		Children			Foreign			THER NK.		THER NK.	DOWD.
COUNTIES.	SEX.	Born, 1878.	Both Native.	Both Foreign.	Father and Native	Mother and Native		ber.		her.	Both Unknown
	<u> </u>				Mother.	Father.	Na- tive.	For- eign.	Na- tive.	For- eign.	Bott
	Total	161	21	109	21	6	<b> </b> -	2	1		1
Delta	Males	82	10	56	11	2	ļ	2			1
	[Females .	79	11	53	10	4			1		
	Total	605	494	22	38	32	5	1	8	1	4
Eston	Males	295	288	j 11	17	17	3	1	5	1	. 2
2002	Females.	309	255	11	21	15	2		8		2
:	Unknown	1	1				<b> </b> -	·			
	Total	104	64	18	7	5	1	1	1		7
Emmet	Males	50	82	5	3	3	1	1	1		5
PHILIPST	Females.	53	31	13	5	2	! 		<b> </b> -		2
İ	Unknown	1	1		<b></b>	<b></b> .		ļ			
	Total	768	485	94	91	78	8		6		11
Genesee:	Males	377	228	45	48	44	6	<b> </b>	1		5
	Females .	891	257	49	43	29	2	<b> </b>	5		6
1	Total	18	6	9	1	1	3	<b></b>			
Gladwin	Males	10	5	3	1	1			ļ <u></u>		
	Females.	8	1	6			1		<b></b>		
1	Total	148	84	36	15	11		 			. 2
Grand Traverse	Males	84	53	16	7	6	•••		<b> </b>		2
	Females .	64	31	20	8	5	•••••		<b></b>		
	Total	416	322	81	38	18	1		4	1	1
Gratiot	Males	228	172	17	19	11	1		2		1
	Females.	198	150	14	19	7			2	1	
	Total	510	453	16	18	16					7
Hillsdale	Males	264	234	9	8	10					8
	Females .	246	219	7	10	6					4
	Total	914	64	718	101	17		4	1	2	7
	Males	469	36	367	49	12			1		4
Houghton	Females .	442	27	349	52	5		4		2	3
•	Unknown	3	1	2							
· ·	Total	570	52	383	67	43	7	11	1	5	1
Huron	Males	298	31	206	29	22		3	•	2	1
~*************************************	Females.	272	21	177	38	21	8	8	1	3	
	( z amaica .	212	21	1 411	30	21	•	•	•	١	

<sup>• &</sup>quot;Mative" includes only those born in the United States. Those cases in which the birthplace was returned as "America" were compiled with the "Unknown."

5—1878.

TABLE VIII.—CONTINUED.—Births by Counties, Parent-Nativity, and Sex.

			NA	TIVITY	OF PAR	ENTS OF	CHIL	DREN	Born,	,—1878.	•
COUNTIES.	SEX.	Children Born,	7	200	Foreign Father	Foreign Mother	U	THER	U	HER CK.	cnown.
oodii iid	J	1878.	Both Native.	Both Foreign.	and Native Mother.	and Native Father.	Na-	For-	Na-	her.	Both Unknown
•	<u> </u>						tive.	eign.	tive.	eign.	<u> </u>
ſ	Total	593	454	44	46	25	11	4	4	2	8
Ingham	Males	312	243	21	22	11	7	2	2	1	8
Inguam	Females.	280	210	23	24	14	4	2	2	1	
ţ	Unknown	1	1								
ſ	Total	621	897	77	78	86	20	7	8	1	7
Ionia	Males	816	197	39	44	17	6	4	2		7
101112	Females_	304	200	88	28	19	14	8	1	1	
į	Unknown	1			1					Ì	<b></b> .
1	Total	68	16	41	8	8					
Iosco	Males	89	7	25	4	8					
Į	Females.	29	9	16	4						<b></b> -
ſ	Total	229	123	47	28	9	20	1	1		ļ
Isabella	Males	116	69	25	8	6	7		1'		
Į.	Females .	113	54	22	20	3	18	1		<b> </b>	
Isle Royal	ь						•••••		•		
ſ	Total	779	549	118	57	85	9		2	2	7
Jackson	Males	411	285	67	27	19	. 5		2	1	5
•	Females.	368	261	51	80	16	4			1	2
į	Total	598	870	110	50	32	9	6	7		9
Walana	Males	325	210	48	81	22	8	4	2		5
Kalamazoo	Females.	267	160	62	19	10	6	2	5		•
	Unknown	1							•		1
(	Total	66	36	14	10	5	1				
Kalkaska	Males	29	13	8	5	8					<b></b> .
{	Females.	37	23	6	5	2	1				
1	Total	1,631	688	578	177	85	5	4	17	2	75
<b></b>	Males	829	355	296	89	37	1	2	8	1	40
Kent	Females .	798	331	281	88	48	4	2	8	1	35
ļ	Unknown	4	3	1					1		
1	Total	269	23	208	32	1		3		1	1
•	Males	141	11	111	19						
Keweenaw	Females_	126	12	95	13	1		3		1	1
			i	ı	ı	1					

 <sup>&</sup>quot;Native" includes only those born in the United States. Those cases in which the birthplace was returned as "America" were compiled with the "Unknown."
 No returns for 1878 from County Clerk to the State Department.

## TABLE VIII.—CONTINUED.—Births by Counties, Parent-Nativity, and Sex.

	1		- "	ATIVITY							
	1 -	Children			Foreign	Foreign	TI	THER NK.		NK.	IOWD.
COUNTIES.	SEX.	Born, 1978.	Both	Both	Father	Mother	Fa	ther.	Moi	ther.	Unkr
			Native.	Foreign.	Native Mother.	Native Father.	Na- tive.	For- eign.	Na- tive.	For-	Both Unknown.
	[Total	69	42	14	9	3	1				
Lake	Males	33	22	4	3	3	1				
	Females.	36	20	10	6						
	[Total	540	233	146	86	67		4	2	1	
	Males	279	123	71	43	35		3	2	1	
Lapeer	Females.	260	109	75	43	32		1			
	Unknown	1	1								
	Total	162	44	82	25	10					
Leelanaw	Males	90	25	43	13	8	,				
	Females.	72	19	39	12	2					
	(Total	752	523	109	73	28	8		6		
	Males	404	281	67	37	13	2		2		1
Lenawee	Females.	344	239	42	36	15	6		4		
	Unknown	4	3		00	10					
	222772	449	330	47	47	21	1		3		
	Total	213	1000	30	100		1 3	******	1 6	******	*****
Livingston	Males		154	24	19	14	******		2		
	(Females .	236	176	23	28	7	1		1	******	
	Total	37	19	10	5	1			1	******	
Mackinac	Males	19	10	4	3	1	******		*****		
	Females -	18	9	6	2		******	******	1	******	
	Total	693	300	272	82	36		1		1	
Macomb	Males	379	163	146	48	21		1	******	******	
	Females.	313	136	126	34	15		******	*****	1	
	Unknown	1	1				******		*****		
	Total	355	73	211	45	25	******		1	*****	
Manistee	Males	190	40	106	27	17		*****			
7 3	Females -	165	33	105	18	8			1		
V.	Total	30	7	17	4	2					
Manitou	Males	16	5	6	3	2					
	Females .	14	2	11	1						
Comment of	Total	721	50	579	64	25	1				1
Marquette	Males	379	19	308	35	15					3
	Females.	342	31	271	29	10	1				
4	Total	183	85	53	33	8	1	1			9
Mason	Males	94	47	24	16	5	1				1
	Females.	89	38	29	17	3		1			1

<sup>\* &</sup>quot;Native" includes only those born in the United States. Those cases in which the birthplace was returned as "America" were compiled with the "Unknown."

TABLE VIII.—CONTINUED.—Births by Counties, Parent-Nativity, and Sez.

			147	ATIVITE	OF PAR	ERIB U					<u> </u>
		Children			Foreign	Foreign	Moz Un	HER K.	FAT Uz	EKB K.	Ė
COUNTIES.	SEX.	Born, 1878.	Both	Both	Father and	Mother and	Fat	her.	Mot	her.	ğ
		1070.	Native.	Foreign.	Native Mother.	Native Father.	Na- tive.	For- eign.	Na- tive.	For- eign.	Both Unknown
	Total	265	124	79	26	26	4	1	1	1	-:
•	Males	126	58	37	14	14	1			1	1
Mecosta	Females.	187	65	42	12	12	2	1	1		1
į	Unknown	2	1	•••••			1				
	Total	45	11	17	11	1			4		1
Menominee	Males	23	8	6	6	1			1		1
į	Females	22	3	11	5				8		•••••
	Total	169	77	49	20	22	•••••				1
Midland	Males	83	36	23	10	13	-i				1
	Females	86	41	26	10	9					
	Total	38	12	19	8	8					1
Missaukee	Males	17	4	8	2	3					
	Females	21	8	11	1						1
	Total	859	515	164	109	35	18	18	4		•
Monroe	Males	445	280	74	49	19	7	9	8		4
MORIOE	Females.	412	234	90	60	16	6	4	1	•••••	1
	Unknown	2	1	ļ						•	1
	Total	605	378	105	69	37	3	5	8		
Montcalm	Males	333	212	59	81	21	3	4	2		:
MOIIICEIM	Females	271	166	46	38	16		1	1		1
	Unknown	1									:
	Total	538	147	276	63	83	2	4	5		8
Muskegon	Males	299	78	161	34	18	<b> </b>	8	2		
	Females	234	69	115	29	15	2	1	3		
	Total	243	122	25	85	14	14	4	15	4	10
No-	Males	185	63	16	23	8	9		8		1
Newaygo	Females	105	57	9	12	6	5	4	7	4	:
	Unknown	3	2								
	Total	641	421	101	61	41			4		1
Oakland	Males	321	221	47	29	17		ļ	1		
VOLIBUU	Females	316	196	54	32	24			3		
	Unknown	4	4		·						
	[Total	275	177	50	29	17	1		1		
Oceana	Males	. 134	89	21	15	8	1		1		<b> </b> -
Oceana	Females.	141	89	29	14	1 9	1	1	1	1	

a "Native" includes only those born in the United States. Those cases in which the birthplace was returned as "America" were compiled with the "Unknown."

TABLE VIII.—CONTINUED.—Births by Counties, Parent-Nativity, and Sex.

				TIVITY	OF PAR	ENTS O		DREN		,—1878,	
counties.	SEX.	Children Born,	Both	Both	Foreign Father	Foreign Mother	U	her.	U	her.	knowi
		1878.	Native.	Foreign.	and Native Mother.	and Native Father.	Na- tive.	For-	Na- tive.	For-	Both Unknown.
	Total	5		4			1				
Ogemaw	Males	8		3							
	Females	2		1							1
	(Total	69	8	47	11	2					1
Ontonagon	Males	84	3	22	7	1			Tu-C		1
O20022602	Females .	85	5	25		1					
	(Total	257	109	93	30	22			1		2
,	Males	145	65	52	16	1	*****	*****		,	1
Osceola	Females	111	43	41	14	11			1	******	1
	1			41	14	11			1		
	(Unknown	1	1		********						*****
•	Total	23	9	9	2	3			*****		
Otsego	Males	. 14	7	4	1	9	*****	******			*****
	(Females	9	2	5	1	1	*****				*****
	Total	859	356	339	92	45	3	11	3		10
Ottawa	Males	423	176	167	49	19		7	1		
	Females	484	180	172	42	26	3	4	2		- 5
	l Unknown	2			1						1
	Total	92	2	87	2	1		******			
Presque Isle	Males	45	1	42	1	1					
	Females.	47	1	45	1						
	Total	5	3	1				1			
Roscommon	Males	4	3					1			
	Females	1		1							
	Total	1,891	466	593	197	99	2	2	4	2	26
Saginaw	Males	715	234	310	101	55	1	1	2		11
	Females.	676	232	283	96	44	1	1	2	9	15
	Total	623	70	372	101	76			2	1	1
	Males	839	39	200	52	45			1	1	1
Sanilac	{   Females _	283	31	171	49	31			1		
	Unknown	1		1							
	Total	14	5	7	2						
Schoolcraft	Males	6	2	3	1						
	Females .	8	3	4	1		1				
	(Total	510	341	80	53	27	3	1	1	1	3
Shiawassee	Males	256	172	44	25	12	2		1		
T 02440	Females.	254	169	36	28	15	1	1	-	1	3
	( commics .	1 204	199	1 36	1 28	1 10	1	1			. 3

<sup>&</sup>quot;Native" includes only those born in the United States. Those cases in which the birthplace was returned as "America" were compiled with the "Unknown."

TABLE VIII.—CONTINUED.—Births by Counties, Parent-Nativity, and Sex.

	<u> </u>		NA.	TIVITY	OF PAR	ENTS O	<b>Р</b> Сни	LDREN	BORN	,—1878.	
COUNTIES.	SEX.	Children Born, 1878.	Both	Both	Foreign Father and	Foreign Mother and	U	THER TK.	<u>U</u> 1	HER KK.	Both Unknown.
		2010.	Native.	Foreign.	Native Mother.	Native Father.	Na- tive.	For-	Na- tive.	For-	Both (
	Total	977	243	436	156	123	3	5	5	4	8
St. Clair	Males	522	138	226	77	72	2	8	4		
	Females.	455	105	210	79	51		2	1	4	8
	Total	489	366	67	29	17			5		5
St. Joseph	Males	246	192	29	13	7			2		8
1	Females .	243	174	38	16	10			8		2
1	Total	515	226	160	73	54		1			1
Tuscola	Males	262	115	79	40	27				 	1
	Females.	253	111	81	83	<b>27</b>		1			
1	Total	616	472	43	53	85	8	1	6		8
	Males	817	247	21	26	20	1	. 1			1
Van Buren	Females .	298	225	22	27	15	1		6		2
	Unknown	1					1				
1	Total	589	279	169	85	80	10	2	5		,
	Males	396	154	75	48	16	5	1	2		5
Washtenaw	Females.	281	124	93	87	14	5	1	8		4
!	   Unknown	2	1	1							
	Total	5,192	1,386	2,940	493	197	1	11	83	43	88
	Males	2,765	748	1,591	285	102		6	17	18	48
Wayne	Females.	2,410	637	1,386	258	95	1	5	16	25	87
	   Unknown	17	1	13							8
	Total	199	114	48	13	15	2	1	<b> </b>	2	4
	Males	95	60	19	5	8				1	9
Wexford	Females.	101	53	28	8	7	2	1			9
	Unknown	3	1	1						1	
			'	1 1				I	1	. •	

a "Native" includes only those born in the United States. Those cases in which the birthplace was returned as "America" were compiled with the "Unknown."

#### TWIN CHILDREN.

Four hundred and twenty-seven (427) pairs of twins were returned as having been born in Michigan in 1878. This is the largest number ever returned as having been born in this State, except for the year 1876. Among the twin children in 1878, there were more females than males, there being only 92 males to 100 females. The largest number of pairs of twins was returned for the month of August, the smallest for the month of November, as shown by Table IX.

TABLE IX.—Exhibiting, by Sex, the Number of Pairs of Twins, and the Number of Twin Children Returned as having been Born in Michigan during the Year 1878, by Months Arranged in Order by Number; also, by Pairs and by Individuals, the Number of Males to 100 Females.

	YEAR	Num	DREN,		CH1L-	No	(BER O	P PAIR	8 OF T	wins,	878.
	and Months, 1878,	Total.	Males.	Fe- males.	Males to 100 Fe- males.	Total.	Males.	Fe- males.	One of each Sex.	Males to 100 One of each Sex.	Males to 100 Fe- males.
Yea	r, 1878	854	410	444	92	427	• 122	b 139	• 166	78	88
	Jaly	100	44	56	79	50	12	18	20	60	67
4 :	April	82	48	39	110	41	10	8	28	48	125
亁	December	80	87	48	86	40	13	16	11	118	81
More than the Av. No. of Twins.	August	76	89	38	100	38	11	11	16	69	100
go	October	76	41	85	117	38	12	9	17	71	133
7	March	74	31	48	72	87	9	15	13	69	60
Ave:	rage per month	71.2	84.2	87.0	92	35.6	10.2	11.6	13.8	74	88
Xo.	May	68	84	84	100	84	9	9	16	56	100
	January	66	40	26	154	38	15	8	10	150	188
	June	62	34	28	121	31	10	7	14	71	143
34	September	62	80	82	94	31	11	12	8	188	92
Loss than the Av. of Twins.	February	566	19	87	51	28	. 5	14	9	56	86
Le	November	52	19	83	58	26	5	12	9	56	42

a 1 pair "Colored."

b 2 half-pairs sex unknown.

<sup>• 1</sup> pair "Colored," and 1 pair "Europe."

Table X. affords evidence concerning the relative proportion of plurality births among the native and the foreign-born parents in Michigan in 1878. Of the total number of pairs of twins returned, 46.37 per cent. were born of parents who were both native-born, and 33.72 per cent. were born of parents who were both foreign-born. These proportions are nearly the same as those shown for total births in Table VII., page 29.

TABLE X.—Parent-Nativity of Twins Returned as having been Born in Michigan during the Year 1878.

			PAIR	s of T	'WINS,	1878.		
NATIVITY OF PARENTS OF TWINS, 1878.		Num	BER.		ENT-1	NATIVI'	F EACH	TOTAL
01 2 11 110, 1200.	Total.	Males.	Fe- males.	One of Each Sex.	Total.	Males.	Fe- males.	One of Each Sex.
All Nativities	427	122	130	166	100.00	100.00	100.00	100.00
Both Native	198	57	61	80	46.87	46.72	43.86	48.19
Both Foreign	144	85	54	55	33,72	28.69	88,85	88.13
Foreign Father and Native Mother	42	10	15	17	9.84	8.20	10.79	10,94
Foreign Mother and Native Father	29	14	7	8	6.79	11.48	5.04	4,83
Unknown Mother, Father Native	. 4	2	1	1	.94	1.64	.72	.00
Unknown Mother, Father Foreign	. 4	2		2	.94	1.64		1.90
Unknown Father, Mother Native	2	1		1	.47	.82		.69
Unknown Father, Mother Foreign								
Both Unknown	. 4	1	1	2	.94	.82	.72	1.20
One or Both Native	275	84	84	107	64.40	68.85	60.48	64,46
One or Both Foreign	219	61	76	52	51.29	50.00	54.66	49.40

EXHIBIT 5.—By Nativity and by Color of Mothers, the Number and Proportion of Twins Returned as having been Born in Michigan during each of the Years 1876 to 1878, inclusive.

		1876.			1877.			1878.	
WATIVITY AND COLOR OF MOTHERS OF TWINS.	Pairs of Twins.	Whole Number of Mothers, In- cluding those of Twins.	Per Ct. of Births of Twins to all Mothers.	Pairs of Twins.	Whole Number of Mothers, In- cluding those of Twins.	Per Ct. of Births of Twins to all Mothers.	Pairs of Twins.	Whole Number of Mothers, Including those of Twins.	Per Ot. of Births of Twins to all Mothers.
Mothers of all Colors and of all Na- tivities	428 249 170 9	33,791 19,086 13,679	1.27 1.30 1.24	367 207 150	-14,000	1.10 1.12	200	34,729 20,143 13,857	1.26
Mothers of Unknown Nativities  White	424	33,273	1.27	360	1000000	1.11	420	34,290	1.68
Mulatto	1	139 88	.72	1	101 87	.99	4	123 77	1.68 5.19
Unknown	1	139 152	1,44	4	128 267	1.56 1.50	1	159 80	.63
Black and Mulatto	1	227	.44	1	188	.53	6	200	3.06

TABLE XI.—Parent-Nativity of Twins Returned as having been Born in Michigan during the Year 1878,—distinguishing between Parents who were Natives of the same State and those Born in Different States or Countries.

			PAIR	S OF	TWINS	, 1878.		
NATIVITY OF PARENTS OF TWINS, 1878.		Nu	MBRR.		ENT-	NATIVI	F EACE	'OTAL
UF TWINS, 1010.	Total.	Malcs.	Fe- males.	One of Each Sex.	Total.	Males.	Fe- males.	One of Each Sex.
All Nativitles	427	122	139	166	100.00	100.00	100,00	100.00
Same American State or Foreign Country	215	55	77	83	50,35	45.08	55.40	50.00
Different American States or Foreign Countries.	127	37	38	52	29,74	30.88	27.34	31.33
Poreign Father and Native Mother	42	10	15	17	9.84	8.20	10.79	10.24
Foreign Mother and Native Father	20	14	7	8	6.79	11.48	5.04	4.82
Unknown Mother, Father Native	4	2	1	1	.94	1,64	.72	.60
Unknown Mother, Father Foreign	4	2		2	.94	1.64		1.20
Unknown Father, Mother Native	2	1		1	.47	.82		.60
Unknown Father, Mother Foreign								
Both Unknown	4	. 1	1	2	.94	.82	.72	1,20
Different States or Countries	198	61	60	77	46.37	50.00	43.17	46,39

<sup>•</sup> Includes "Different American States or Foreign Countries," "Foreign Father and Native Mother," and "Foreign Mother and Native Father." Compare with "Same American State or Foreign Country," and with same lines in Table XV.,—for still-born children.

TABLE XII.—Exhibiting, for the State and Counties, by Sex, the number of Pairs of Twins, the Number of Twin Children, and the Nativity of Parents of Twins Returned as having been Born in Michigan during the Year 1878. Nativity stated by Pairs of Twins.

			fns.	1	NATI	VITY O	F PAR	ENT	8 OF	Tw	INS,	1878.	*
STATE		duals.	MI Jo	NA	TIVE.	For	nion.	P	pq		THEE		THEE NK.
AND	Sex.	iviba	airs	ate.	ta	me	1 11	er an	ther and	Fat	ther.	Mot	ther.
COUNTIES.		Number of Individuals.	Number of Pairs of Twins.	Both Parents from Same State.	From Different States.	Both from Same Country.	From Different Countries.	Foreign Father and Native Mother.	Foreign Mother an Native Father.	Native.	Foreign.	Native.	Foreign.
-	Total	854	427	93	105	122	22	42	29	4	4	2	
Yan.	Males	410	122	ь 23	c 34	d 32	. 3	f 10	g14	2	2	1	
State	Females	444	139	1 32	1 29	k 45	9	1 15	7	1			
1	One of each		166	m US	n 42	0 45	10	P17	48	1	h 2	1	
	Total	28	14	3	6	3			2				
	Males	9	2		1				1				
-	Females	19	7	2	9 2	2			1				
	One of each		5	1	* 3	1							
	Total	8	4	1	1	1		1					
District Co.	Males	2											
Alpena	Females	6	2	1	1								
	One of each		2			1		1					
- 0	Total	2	1			1							
	Males	1											
Baraga	Females	1											
	One of each		1			1				****			
	Total	8	4	3	1							-	
No.	Males	6	9	2									
arry	Females	2					*****						
	One of each		2	1	1								
	Total	28	14			9	1	1	1		1		
0.00	Males	11	4			3			• 1				
жу	Females	17	7			6	1		****				****
	One of each		3					1			1		

a See foot-note a to Table VIII.
b 3 males still-born, and 1 pair mulatto. c 4 pairs and 2 males still-born.
d 1 pair and 1 male still-born. c 1 male still-born.
f 1 pair and 2 males still-born, and 1 pair "Colored." g 3 pairs and 2 males still-born.
h 1 pair still-born. d 3 pairs and 2 females still-born, and 1 pair sex unknown.
J 2 pairs and 2 females still born. p pair sex unknown, and 2 pairs mulatto.
h 1 pair and 1 female still-born. d 2 pairs still-born.
h 2 pairs, l male, and 1 female still-born, 1 pair mulatto, and 1 pair Indian.
h 2 pairs, l male, and 1 female still-born, 1 pair "Europe," and 1 pair "Colored."
h 1 pair and 2 males still-born. g 1 female still-born, and 1 pair mulatto.

			ins.		NATIV	TITY O	F PAR	ENT	8 0)7	Tw	INS,	1878.	
	n = N	lun a	LI		IVE.	FOR	EIGN,	pr	po		NK.		HER
COUNTIES.	Sex.	pdfyle	alrs	state.	ent	Same y.	ent	her ar	her al	Fat	her.	Mot	her.
		Number of Individuals.	Number of Pairs of Twins.	Both Parents from Same State.	From Different States.	Both from Sar Country.	From Different Countries.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	Native.	Foreign.	Native.	Foreign.
	Total	14	7	1	3	1		2					
Alternative and	Males	5	1		1								
Berrien	Females	9	3		1	1		1					
	One of each		3	1	1			1					
	Total	8	4	1	2	1		****					
	Males	3	1		ъ 1								
Branch	Females	5	2	1	1								
	One of each		1			c 1							
	Total	24	12	4	3	3	1	1					
alhoun	Males	14	4		1	2		b 1					
	Females	10	2	4 1	1								
	One of each		6	ь 3	1	1	1						
	Total	18	9	2	4	2		1					
	Males	8	2		1	1							
Cass	Females	10	3		+ 2	1							
	One of each		4	ef 2	1			1					
	Total	4	2					1					
	Males	3	1	*****				1					
Charlevoix	Females	1											
	One of each		1										
Cheboygan	Females	2	1					1					
Chippewa	Females	4	2					1	1				
	Total	2	1				1						
	Males	1											
Clare	Females	1											
	One of each		1				1						
	Total	14	7	4	2	1							
	Males	7	3	1 2	11								
Clinton	Females	7	3	b 1	1	g 1							
	One of each		1	b 1									

a See foot-note a to Table VIII.
b 1 pair still-born.
l pair "Europe."
l pair sex unknown.
l pair mulatto.
l male still-born.
l pair and 3 males still-born.

# VITAL STATISTICS OF MICHIGAN, 1878.

		uals.	Twins	-	IVE.	FOR	EIGN.	l.	1	Mon	THER	FAT	HER	ī
		apla	s of	1 1,000	1	-	I	and ar.	and	-	NK.	-	NK.	ı
COUNTIES.	Sex.	Indi	Pair	state	ent	ame.	ent.	her	ther	Fat	her.	Mo	ther.	1
		Number of Individuals.	Number of Pairs of Twins.	Both Parents from Same State.	From Different States.	Both from Same Country.	From Different Countries.	Foreign Father an Native Mother,	Foreign Mother and Native Father.	Native.	Foreign.	Native.	Foreign.	Roth Ifnknown
Crawford	.Males	2	1		b 1									
Delta	.Fomales	2	1	1										I.
	( Total	16	8	2	5							1		Į.
	Males	11	4		3							1		1.
Eaton	Females	5	1	1										1.
	One of each		3	1	2									l.
	[Total	30	15	6	4			1	3	1				1.
Superior I	Males	18	7	1	2				c 3	1				
Genesee	Females	12	4	4 3				1						
	One of each		4	2	a 2									
	Total	4	2	1			1							
	Males	3	1	1										1.
Gladwin	Females	1												1-
9	One of each		1				1							1.
	Total	6	3	2		1								
	Males	2									****			
Grand Traverse	Females	4	1			1								
	One of each		2	2								****		
	Total	14	7	2	3		1	1						į.,
5.00 C	Males	7	8	b 1	e 2									
Gratiot	Females	7	3		1		1	• 1						
	One of each		1	1					11.					
	Total	24	12	6	0									-
	Males	14	6	3	3									
Hillsdale	Females	10	4	3	1									١.,
	One of each		2		2									
	Total	12	6			5	1							-
Tanah tan	Males	6	2			1	1	.,						_
Houghton	Females	6	2			2								
	One of each		2			2					0.1			

a See foot-note a to Table VIII.
b 1 male still-born.
c 2 pairs still-born.
d 1 female still-born.
d 1 pair still-born.

		١.	die.		NATIV	TTY O	F PAR	ENT	8 OF	TW	ins,	1878.	
		duals	of Tw	NA	rive.	FOR	EIGN.	pu.	pur.		THER NE.		THER NE.
COUNTIES.	Sex.	ndivi	airs	tate.	ent	me	ent.	her a	Mother and e Father.	Fat	her.	Mot	ther.
		Number of Individuals	Number of Pairs of Tveins.	Both Parents from Same State.	From Different States.	Both from Same Country.	From Different Countries.	Foreign Father and Native Mother.	Foreign Mot Native Fi	Native.	Foreign.	Native.	Foreign.
	[Total	12	6		1	1		1	1	2			
	Males	6	2		1					1			
Turon	Females	6	2			1		1					
	One of each		2						1	1			
	[ Total	14	7	3	1	1			1			1	
	Males	7	1		1								
ingham	Females	7	1	1									
	One of each		5	2		ь 1			1			1	
	[ Total	18	9		1	4		2	1	1			
2	Males	8	2			1			1				
onia	Females	10	3		1	1				1			
	One of each		4			2		2					
	[ Total	4	2			9							
100	Males	3	1			1							
овео	Females	1											
	One of each		1			1							
	[Total	14	7	2	4	1							
	Males	6	1			1							
sabella	Females	8	2		2								
	One of each		4	2	2								
	[Total	16	8	2	3	2			1				
	Males	8	2	b 1					d 1				
Jackson	Females	8	2		d 1	1							
	One of each		4	1	4 2	1							
	[Total	14	7	2	3			1	****		1		
	Males	10	-4	1	1			1			1		
Calamazoo	Females	4	1	1									
	One of each		2		2								
	(Total	4	2	1				1			****		
Kalkaska	Males	2	1	1									
4-4-200	Females	2	1					1	10				

a See foot-note a to Table VIII.

3 1 mais still-born.

4 1 pair "Indian."

4 1 pair still-born.

			vins.		NATIV	TITY O	F PAR	ENT	8 OF			1878.		_
		duale	1 4	11.00	IVE.	For	RIGN.	and sr.	and T.		THER NK.		THEE NK.	1
COUNTIES.	Sex.	Idi	Ę	ate.	1 2	ŝ	1 11	ther	ther	Fat	her.	Mot	ther.	1
		Number of Individuals.	Number of Pairs of Twins.	Both Parents from Same State.	From Different States.	Both from Same Country.	From Different Countries.	Foreign Father an	Foreign Mother at Native Father.	Native.	Foreign.	Native.	Foreign.	That Walnut com
	[Total	42	21	5	4	9		1						ľ
	Males	18	4		1	2								ŀ
Kent	Females	24	7	2	1	8								1
	One of each		10	3	2	4		1						Į.
	[ Total	4	2		ļ	2								Į.
17	Males	8	1		ļ	٠ 1								ŀ
Keweenaw	Females	1												ŀ
	One of each		1		ļ	. 1								-
Lake	Males	2	1		1								,	ŀ
	[Total	8	4	1	1	1	1							-
I anaon	Males	4	1	1	<b> </b> -									-
rwheet	Females	4	1			1								ļ.
apeer {	One of each		2		1		1							ŀ
	[Total	2	1			ļ	1							ŀ
Leelanaw	Maleg	1												ŀ
reciana a	Females	1												ŀ
	One of each		1				1							ŀ
	Total	12	6	1	8	2								-
Lenawee	Males	2	1		1									ŀ
	Females	10	5	1	2	2								ŀ
	[Total	8	4		2	1		1						-
T imin metan	Males	4	•••••											
Livingston	Females	4				•••••					4			١
	One of each		4		2	1		1						
	[Total	10	5	1	1	2		1			****			-
<b>Vacam</b> h	Males	4	1		•			1						
Macomb	Females	6	2	1	1									
	One of each		2		,	2					,			
	[Total	12	6	1	·	4	1							**
Manietas	Males	9	8			2	• 1							
Manistee	Females	8									****			
	One of each		8	1		9								

<sup>See foot-note • to Table VIII.
1 pair still-born.
1 male still-born.</sup> 

		als.	Twins	MAY	IVE.	FOR	tign.			Mon	THER	FAT	HER
		rldu	Jo.	-	IVE.	-	EIGHN.	L'.	and r.	U	VK.	Us	K.
COUNTIES.	SEX.	Ipqi	alrs	tate	ent	эше	ant	othe	her s	Fat	her.	Mot	her.
		Number of Individuals.	Number of Pairs of Twins.	Both Parents from Same State.	From Different States.	Both from Same Country.	From Different Countries.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	Native.	Foreign.	Native.	Foreign.
	[Total	14	7			6	1						
	Males	7	2			1	1						
Marquette	Females	7	2			2							
	One of each		8			3							
Mason	.Females	2	1			1							
	[Total	8	4	1	1	1			1	1			
	Males	3	1	b 1									
Mecosta	Females	5	2		1	1							
	One of each		1						1				
Missaukee	Females	2	1				1						
	(Total	12	6	2	2	1			1		-		
	Males	5	2		1				1				
Monroe	Females	7	3	e 2		1							
	One of each		1		1	-				-			
	[Total	30	15	2	5	4	1	2			1		
	Maies	19	7		e 3	2		1			1		
Montcalm	Females	11	3			1	1	1			1		9
	One of each	-	5	2	2	1		13					
	[Total	14	7	2	2	2	7		1				
	Males	9	3	1	1	e 1		-	•		****		
Muskegon	Females	5	1		1	1			1				
	One of each		3	1	1	1			Ô				
Newaygo		2	1	1		1							
Neway go	[Total	10	5	2	2	1					****	****	
	Males	5	1	1	-	1							
Oakland	Females	5	1		1				****				
	One of each		3	1	1	1			****				
	[ Total	12	6	1	3	1	1			****	****		
	Males		1		1 1				1		****		
Oceana	4	5 7	2		1	******							
	Females						1		1				
VIII.	(One of each	*****	3	1	2			77	****	****		****	
Ontonagon	Females		2	******		0 1	1					****	****

<sup>See foot-note \* to Table VIII.
1 pair mulatto,
1 pair still-born.</sup> 

			wins.		NATI	VITY O	F PA	RENT	8 OE					_
	İ	dual	T J	NAT	riv <b>e.</b>	FOR	gion.	pr	pu		HEE NK.		HER NK.	1
ocunties.	SEX.	divi	Į.	ate.		me	10	ther.	er al	Fa	her.	Mot	her.	l
		Number of Individuals.	Number of Pairs of Twins.	Both Parents from Same State.	From Different States.	Both from Same Country.	From Different Countries.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	Native.	Foreign.	Native.	Foreign.	
	[Total	6	3		1	1			1					1
Vscoola	Males	4	2		1				1					Į.
	Females	2	1		<b> </b>	1								ŀ
	f Total	26	13	2	3	5		3						ŀ
	Males	11	3		<b></b>	1	ļ	h 2						ŀ
Ottawa	Females	15	5		1	4	ļ							ŀ
	One of each		5	2	e 2			1						ŀ
	[Total	38	19	2	1	7	9	4	3					ŀ
	Males	18	7	1	1	3			2					ŀ
lagina w	Females	20	8	1	<b> </b>	2	1	3	1					ŀ
	One of each		4	*****	ļ	4 2	1	1						ŀ
	[ Total	16	8	1	ļ	2	3	1	2					ŀ
Sanilac	Males	8	2			1	ļ		1					ŀ
Maniac	Females	8	2	1	<b> </b>		1							ŀ
	One of each		4		l	1	1	1	1					ŀ
	[ Total	20	10	3	2	3		1	1	***				ŀ
This was a second	Males	9	3	2	<b> </b>	1								ŀ
Bhiawassee	Females	11	4		4 1	1		1	1					ŀ
	One of each		3	1	1	1								ŀ
	[ Total	26	13	1	<b> </b>	5	1	4	2					ļ.
na Olain	Males	15	4		ļ	3		c 1						-
Bt. Olair	Females	11	2		ļ	1			1					ŀ
	One of each		7	1		1	1	0 3	1					-
	[Total	8	4		3	1								-
i Tasamb	Males	3												-
. Joseph	Females	5	1		1	<b> </b>								-
	One of each		8		2	1								
	Total	10	5	1	3	1								
<b>O</b> menale	Males	7	3	*****	2	1								
Pascola	Females	3	1	e 1										
	One of each		1		1			****						

<sup>See foot-note a to Table VIII.
1 male still-born.
1 female still-born.</sup> 

l pair black, and 1 male still-born.
 l pair still-born.

TABLE XII.—CONTINUED.—Parent-Nativity of Twins.

			ins.		NATIV	TITY O	F PAI	RENT	8 OF	Tw	1N8,	1878.	•	
		duals.	of Tw	NAT	IVE.	For	EIGN.	pı.	pu	Mon	HER	FAT	HER KK.	1
COUNTIES.	SEX.	fadivi	Patre	ts State.	ent	ame	ent	her ar	her a	Fat	her.	Mot	her.	WH.
Van Buren {  Washtenaw {  Wayne {		Number of Individuals.	Number of Pairs of Twins.	Both Parents from Same State.	From Different States.	Both from Same Country.	From Different Countries.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	Native.	Foreign.	Native.	Foreign.	Both Unknown.
	Total	18	9	2	5			2						
W W	Males	7	3		1		İ	2						
van Buren	Females	11	5	2	3	<b> </b>	ļ							
	One of each		1		1									
	[Total	12	6		1	4			1					
	Males	8	2		. <b></b>	1	<b> </b>		1					
wasntenaw	Females	4												
	One of each		4		1	b 3	ļ							
	[Total	86	43	11	2	16	3	6	4		1			
****	Males	34	6	3		2	ļ		c 1					
wayne	Females	52	15	4 4	1	6	1	4 3						
	One of each		22	4 4	1	8	2	13	13		41			
	[Total	8	4	1	3									
Warford	Males	3			ļ									
M @ WIOLG	Females	5	1		<b>8</b> 1	ļ								
	One of each		3	h 1	2									

s See foot-note = to Table VIII.
b 1 pair and 1 female still-born.
c 1 male still-born.
d 1 pair still-born.
e 1 pair Black.
f 1 pair and 1 male still-born.
g 1 pair still-born, sex unknown.
h 1 female still-born.

<sup>7-1878.</sup> 

TABLE XIII.—Occupations of Fathers of Twins Born in Michigan during the Year 1878, according to the Returns.

OCCUPATIONS.	Number of Each.	OCCUPATIONS.	Number of Each.
ALL OCCUPATIONS	427	JailorsLaborers	1 56
Artists	1	Lawyers	1
Barbers	1	Lumbermen	9
Blacksmiths	10	Machinists	5
Boatmen	1	Manufacturers	9
		Masons	1
Boiler-makers	1	A STATE OF THE PARTY OF THE PAR	
Book-keepers	1	Mechanics	5
Brewers	1	Merchants	100
Brick-makers	1	Mill-wrights	1
Butchers	3	Mine Captains	1
Cabinet-makers	1	Miners	9
Carpenters	12	Ministers	3
Carriage-makers	1	Miscellaneous	1
Cigar-makers	1	Painters	4
Civil Engineers	1	Photographers	1
Clerks	2	Physicians	2
Conductors	1	Policemen	2
Contractors	1	R. R. Clerks	1
Coopers	1	R. R. Laborers	1
Copper-washers	1	R. R. Section Bosses	1
Draymen	1	Sailors	2
Druggists	1	Salesmen	3
Engineers	2	Saloon-keepers	2
Farmers	228	Sawyers	2
Firemen	1	Ship-carpenters	3
Fruit-growers	1	Shoemakers	4
Furniture Dealers	1	Stewards	1
Gardeners	3	Stone-masons	1
Grocers	4	Store-keepers	1
Hackmen	1	Teamsters	6
Harness-makers	1	Unknown	2
Ice-peddlers	1	Veterinary Surgeons	1
Iron-moulders	1	Wagon-makers	9
	18 34		181
Iron-rollers	1	Waiters	1

#### TRIPLET CHILDREN, 1878.

Three sets of triplets were returned for the year 1878. Table XIX, contains certain details concerning the triplet children returned as having been born in this State in 1878. Seven of the nine triplet children were males and two were females.

TABLE XIX.—Exhibiting certain Details concerning Triplet Children Returned as having been born in Michigan during the Year 1878.

	TRIPLE	T CHILDR	EN, 18	PARENTS OF TRIPLETS, 1878.				
COUNTIES.	Month		8	ex.	Birthplace	Birthplace	Occupation	
	of Birth, 1878.	Color.	Males.	Fe- males.	of Father.	of Mother.	of Father,	
Chippewa	Nov	White	3		Canada	Canada	Farmer	
Ingham	Oct	White	1	2	New York.	Michigan	Farmer	
Washtenaw	Oct	White	3		Ohio	Michigan	Farmer	

#### STILL-BIRTHS.

During the year 1878, according to the returns of births and deaths, there were 793 still-born children born in Michigan,—the largest number ever returned to the State Department. There has been a constant increase in the number each year. In 1878, 2.26 per cent. of all the children returned were still-born, and 2.20 per cent. of all the mothers who bore children in 1878 bore still-born children, as shown in Exhibit 6.

Exhibit 7 shows, by nativity and color, what proportion of the mothers bore still-born children during each of the years 1872-1878, and it may be seen that the proportion of still-births among the foreign-born mothers is very much greater than among the native-born, and very much greater among the Mulatto mothers than among those of any other color.

EXHIBIT 6.—The Relation of Still-born Children to all Children Returned as having been Born in Michigan during the several Years 1873 to 1878, inclusive, and of the Mothers of Still-born Children to all Mothers Returned as having Borne Children during each of the Years 1873 to 1878, inclusive.

Construction Construction		TOTAL I	BIRTHS A	ND STILL	-BIRTHS.	
CHILDREN AND MOTHERS.	1878.	1874.	1875.	1876.	1877.	1878.
All Children born	34,608	31,151	31,958	34,235	33,395	85,162
Still-born Children	n 348	464	629	646	720	793
Per Cent, of Still-born to Total	1.01	1,49	1.97	1.89	2.15	2.26
All Mothers	34,180	30,739	31,586	33,791	33,028	34,729
Mothers of Still-born Children	n 383	454	613	620	697	765
Per Cent, of Mothers of Still-born Children to	.97	1.48	1.94	1,83	2.11	2.20

<sup>&</sup>quot; As per returns of births.

EXHIBIT 7.—By Nativity and Color, the Number and Proportion of Mothers having Still-births in Michigan during each of the Years 1876—1878, inclusive, according to the Returns.

		1876.			1877.			1878.	
NATIVITY AND COLOR OF MOTHERS.	Mothers having Still- births.	Whole No. of Moth'rs, includ- ing those of Still- births.	Per Cent. of Mothers of Still- births to all Moth'rs.	Mothers having Still- births.	Whole No. of Moth'rs, includ- ing those of Still- births.	Per Cent. of Mothers of Still- births to all Moth'rs.	Mothers having Still- births.	Whole No. of Moth'rs, includ- ing those of Still- births.	Per Cent. of Mothers of Still- births to all Moth'rs.
Mothers of all colors and all nativities	620	33,791	1.83	697	53,028	2.11	765	34,729	2.20
All native mothers	277	19,086	1,45	337	18,891	1.78	358	20,143	1.78
All foreign mothers	268	13,679	1,96	286	13,449	2.12	321	13,857	2.32
Mothers of unknown nativities	73	1,026	7.31	74	688	10.76	86	729	11.80
White	595	33,273	1.79	677	32,445	2,08	747	34,290	2.18
Black	7	139	5 04	1	101	.99	3	123	244
Mulatto	2	98	2.27	3	87	3 45	4	77	5,19
Indian	2	139	1.44	4	128	3.13		159	
Unknown	14	152	9.21	12	267	4.49	11	80	13,75
ack and Mulatto	9	227	3.96	4	188	2.13	7	200	3,50

.- Exhibiting, by Sex, the Parent-Nativity, and by Sex and by Months, the Number of Still-births Returned as having Occurred in Michigan during the Year 1878.

		w.u.	Both Unkno	11	439	30	00
- 1	FATHER UNK.	ther.	Forelgn.	7	00	-	1
		Moth	Vative.	-	-	64	-
	Мотики ОУК.	her.	Foreign.	9	*	01	1
*	Mor	Fat	Native.	10	4	1	-
, 187	-uN pur	n 19d ther	Foreign Mot	87	23	11	-
ития	-uN pu	ier a	Foreign Fati	20	31	26	01
T-BI			Unknown.	0	53	20	1
STII	HON.	-ur	Different Con	35	17	15	
S OF	Foreign.	·Æ.	Same Countr	252	144	16	17
RENT			Total.	883	164	100	19
F PA			Unknown.	-	1	-	h 1
NATIVITY OF PARENTS OF STILL BIRTHS, 1878.	IVE.	tes.	Different Sta	147	93	51	03
NATE	NATIVE.	Same State.				76	+
	-	1	Total	313	175	127	11
	NTS	IGAN.	Mother.	304	108	36	+
	PARI	PARENTS BORN IN MICHEL IN Mother. Mother.				11	7
			<b>December.</b>	117	19	7	á
		0000	November.	63	200	95	01
			Осторог.	67	355	26	9
			September.	61	36	21	4
78.			August.	09	÷	55	-
MONTHS, 1878.			July.	19	88	25	-
ONTE			Jane.	57	33	55	01
N			May.	69	41	26	04
			April.	75	7	8	9
			Матер.	1 50	252	28	04
	1		February.	1 20	27	77	00
			.Vanuat.	25	40	#	*
		YEAR,		a 793	b 444	e 307	g 42
-		SEX.		Total	Males	Females	Unknown

a 10 pairs and 11 half pairs mate twins, 8 pairs and 5 half pairs female twins, % pair twins unknown sex, 10 pairs twins, one of each sex, and 7 male and 2 to 2 throps."

a 3 throps."

a 1 mobile, "America."

a 1 Black and 3 Mulatto.

a 2 throps."

b 1 Black and 3 Mulatto.

a 1 throps."

c 2 throps."

a 10 throps."

c 3 throps."

a 10 throps."

b 10 throps."

c 3 throps."

c 4 throps."

c 4 throps."

c 5 throps."

c 6 throps."

c 7 throps."

c 7 throps."

c 8 throps."

c 10 throps."

c 10 throps."

TABLE XV.—Parent-Nativity of Still-born Children,—Exhibiting, by Sex, the Number and Per Cent. of Total Number Returned as having been Born in Michigan during the Year 1878, of Parents who were Natives of the Same and of Different States or Countries.

			STI	LL-BOR	N CHILD	REN, 187	3.	
NATIVITY OF PARENTS OF STILL- BORN CHILDREN, 1878.		Nua	IBER.				PARRET-I	
	Total.	Males,	Fe- males.	Un- kno'n.	Total.	Malos.	Fe- males.	Un- known.
All Nativities.	793	414	807	42	100.00	100.00	100.00	100,00
Same American State or Foreign Country	- 423	229	169	25	53,84	51.58	55.06	59.52
Different American States or Foreign Countries	178	110	63	5	22,45	24.77	20.52	11,90
Foreign Father and Native Mother	59	31	26	2	7.44	6.98	8.47	4.76
Foreign Mother and Native Father	87	23	14		4.67	5.18	4.56	
Unknown Mother, Father Native	5	4		1	.63	.90		2.38
Unknown Mother, Father Foreign	6	4	2		.76	90	.65	
Unknown Father, Mother Native	4	1	2	1	.50	.28	.65	2,38
Unknown Father, Mother Foreign	4	3	1		.50	.68	.83	
Both unknown	77	<b>3</b> 9	80	8	9.71	8,78	9.77	19.06
Different States or Countriesb	274	164	103	7	b <b>34.5</b> 5	86,94	83.55	16,67
Native	813	175	197	11	39.47	89.41	41.37	28,19
Foreign	288	164	103	19	36.32	86.94	84.20	45.94

a 1 Unknown sex "United States," and 3 males and 2 females "Europe." b Compare with same statement for twins in Table XI., page 41.

EXHIBIT 11.—Occupations of Fathers of Still-born Children in Michigan in 1878, according to the Keturns.

1	FATHERS.	C	HILDRE	N.	FATHERS.	C	HILDRI	en.
-	OCCUPATIONS,	Males.	Fe- males.	Unk.	OCCUPATIONS.	Males.	Fe- males.	Unk.
ľ	Accountants			1	Lumbermen	3	3	
L	Agents	1			Machinists	5		
В	Auctioneers	1			Manufacturers	1	****	*****
Ю	Baggagemen		1		Masons	1		
13	Barbers	1			Mechanics	3	5	
	Bar-tenders		1		Merchants	6	7	1
	Basket-makers		1		Millers	2		
12	Blacksmiths	6	4		Mill Men		1	
	Boarding-house keepers	1			Milk Dealers	1		
N.	Book-keepers	1	4		Miners	21	12	1
	Brewers			1	Moulders	3		2
	Butchers	2	2	2	Painters	1	3	
1	Cabinet-makers	1	1		Patent-right Agents			1
1	Carpenters	11	4	3	Pattern Fitters	1		
	Carpenters and Joiners	1	*****		"Peanut Stand"	1	*****	
	Carriage Manufacturers		1	1	Peddlers	1	2	
	Carriage-trimmers	1			Pensioners	1		
	Choppers		- 1		Physicians	3	1	
	Digar-makers	2	1		Plasterers	1		
	Clerks	8	2		Policemen	1		
	Commercial Agents	1			Politicians	1		
	Dooks	1	2		Printers	2		
	Doopers		2	2	R. R. Agents	1	2	
	Deputy Treas. D. L. & N. R. R.	1			R. R. Clerks	1		
	Doctors of Divinity	1			R. R. Employes		2	
	Draymen	1	1		R. R. Laborers	1	22222	
	Engineers	3			River Men	1		
	factory-hand	1			Sailors		4	
	Farmers	195	125	8	Saloon-keepers	3	1	
	Parm Laborers	1	1		Sculptors	1	7	
	Pinishers	D. com		1	"Second-hand Furniture"	1	1	
			1		Shingle Dealers		1	
	Piremen		1		Ship-builders	2	1	
	Pishermen	1	-		Shoe-makers	1	2	
	Foremen	1	1		Smelters	1	-	
	Gardeners	1	1		Station Agents	-	1	******
	Particular Control of the Control of	2	1				50	
	Procers	1			Tanners			
		1	2		A CONTROL OF A CON			•••••
	lotel-keepers		2	******	Teamsters	3	3	
	nsurance Agents	1	2		Tinsmiths	37	1 29	8
		- 1	******		Unknown	70	-	
					Upholsterers			*****
	aborers	74	61	8	Wagon-makers	2	1	
	aborers in Mill		1	*****	Walters	1		
	ivery-keepers	-		*****	Watchmen			1
1	Log-drivers	******	1	*****	The second secon		7	

#### ILLEGITIMATE CHILDREN.

The number of illegitimate children returned as having been born in Michigan in 1878 is the smallest number returned for any of the years 1873-1878, except for the year 1875, as shown by Exhibit 8. There were doubtless more omitted in the enumeration than usual, as explained in foot-note to Exhibit 8, (which see); but if these 70, in the ninth ward of Detroit city, are added to the number returned, there would be only two years (1873 and 1877) for which a larger number of illegitimate births would appear in the exhibit. The proportion of all children born in 1878 who were illegitimate was smaller than in any of the previous years 1868-1877. In 1878 there was one illegitimate birth returned for about every 175 children born.

EXHIBIT 8.—The Relation of the Illegitimate Children to All Children Returned as having been Born during the several Years 1873 to 1878, inclusive, and of Mothers of Illegitimates to All Mothers Returned as having Borne Children in Michigan during each of the Years 1873 to 1878, inclusive.

	TOTAL BIETHS AND ILLEGITIMATES.								
CHILDREN AND MOTHERS.	1873.	1874.	1875.	1876.	1877.	1978.			
All Children born	34,608	31,151	31,958	34,235	33,395	35,162			
Illegitimate Children	316	236	193	266	316	a 202			
Per Cent, of Illegitimates to Total	.91	.76	.60	.78	.95	.57			
All Mothers	34,180	30,739	31,586	33,791	33,028	34,729			
Mothers of Illegitimate Children	314	236	192	262	312	a 202			
Per Cent, of Mothers of Illegitimates to All Mothers	.92	.77	.61	.78	.94	.58			

<sup>\*</sup> The number of illegitimates returned for Wayne county for 1878 is probably too small by about 70 births. Heretofore the children born in the "Foundlings' Home," in the ninth ward of Detroit, have generally been returned as Illegitimate; but we are unable'to get any such statement for 1880, although there is no doubt that those children whose fathers' names are reported as "Unknown" (the mothers' names being given), in the said ninth ward, are illegitimate.

EXHIBIT 9.—By Nativity and Color, the Number and Proportion of Mothers of Illegitimate Children Returned as having been Born in Michigan during each of the Years 1876 to 1878, inclusive.

		1876.			1877.			1878.	
NATIVITY AND COLOR OF MOTHERS.	Mothers having Illegiti- mates.	Whole No. of Mothers includ- ing those of Illegiti- mates.	Per Ct. of Mothers of Illegiti- mates to all Moth'rs.	Mothers having Illegitimates.	Whole No. of Mothers includ- ing those of Illegiti- mates.	Per Ct. of Moth- ers of Illegiti- mates to all Moth'rs.	Mothers having Illegitimates.	Whole No. of Mothers includ- ing those of Illegiti- mates.	Per Ct. of Moth ers of Illegiti- mates to all Moth'rs
Mothers of all colors and all na- tivities	262	33,791	.78	312	33,028	.94	a 202	34,729	.58
All Native Mothers	170	19,086	,89	160	18,891	.85	114	20,443	.57
All Foreign Mothers	53	13,679	.39	79	13,449	.59	34	13,857	.25
Mothers of unknown nativities.	39	1,026	3,80	78	688	10,61	54	729	7.41
White	243	33,273	.73	286	32,445	.88	179	34,200	.52
Black	3	139	2.16	6	101	5,94	7	123	5.69
Mulatto	7	88	7.95	4	87	4,60	3	77	3,90
Indian	9	139	6.47	15	128	11.72	11	159	6,92
Unknown		152		1	267	.37	2	80	2.50
Black and Mulatto	10	227	4.41	10	188	5.32	10	200	5.00

<sup>\*</sup> See foot-note \* to Exhibit 8, page 56.

TABLE XVIII.—Exhibiting the Number of Males to 100 Females, and by Sex, the Number and Per Cent. of Total Number of Illegitimate Children Born of Native and of Foreign-born Parents, in Michigan, during the Year 1878.

			IL	LEGITI	MATE C	HILDREN	, 1878.		
NATIVITY OF PARENTS OF ILLEGITIMATE CHILDREN, 1878.	Number		Num	BEE.		P	ER CENT.	OF TOT	AL.
	Males to 100 Fe- males.	Total.	Males.	Fe- males,	Unk.	Total.	Males.	Fe- males.	Unk.
All Nativities	116	202	108	93	1	100,00	100.00	100.00	100.00
Native	126	114	63	50	1	56.44	58,33	53.76	100.00
Mothers Foreign	55	34	12	22		16,83	11.11	23.66	
Unknown.	157	54	33	21		26,73	30.56	22.58	
(Native	173	30	19	11		14.85	17.59	11.83	
Fathers Foreign	183	17	11	6		8.42	10,19	6.45	
Unknown.	103	155	78	76	1	76.73	72.22	81.72	100.00

ABLE XVI.—Exhibiting, by Sex, the Total Number, Number by Months, and the Nativity of Parents of Illegitimate Children Born in Michigan, during the Year ending December 31, 1878, according to the Returns.

Á		пикпоми.	155	78	7.6	-
1878.	3	Countries.	01	9	9	:
	onmon	Born in Other	10	2	-	1
FATHERS CRILDREN,	Fon	Total, Born in Can-	17	=	9	-
OF F		States.	01	00	4	-
GITIMATE	NATIVE.	Igan. Born in Other	22	==	-	1
SATE	NAT	Total. Born in Mich-	30	CI CI	=	1
-		Unknown.	2 19	-		1
P ILL3 1878.	-	Countries,	23	7 683	16 691	-
EN, 1	FOREIGN.	Born in Other	=======================================	2	9	-
THE	FOR	Born in Can-	-	12	55	1
E CH		States. Total.	89	7.0	14 2	_
SITIMATE CHILDREN,	ATIVE.	Born in Other	8 38	1 22		1
NATIVITY OF MOTHERS OF LLE- SITIMATE CHILDREN, 1878.	NAT	Born in Mich-	187	3 41	0 36	-
A	- 2/	Total	3 114	3 63	9 20	_
	_	December.	53	13	6	-
1 9	_	November.	5 25	13	12	1
1	_	October.	15	9	6	1
mile	-	September.	90	00	10	1
MONTHS, 1878.	_	August,	13	00	10	1
HS,	_	July.	16	2	4	1
IONT	_	June.	98	11	6.	1
N	_	May.	17	10	-	1
-	-	April,	20	60	27	1
-17	_	March.	16	10	9	:
	_	February.	50	0	=	1
		January.	6	10	*	1
	14	YEAR, 1878.	a 202	b 108	d 93	1 3
11		SEX.	Total	Males	Females	Unknown

Sae foot.note a to Exhibit 8, page 56.

She foot.note a to Exhibit 9, page 56.

Shack, 2 Mulatto, 3 Indian, 1 "Half breed," 1 "Half Indian," 1 color unknown; 1 half pair twins, one of each sex, and 4 still born.

4 Black, 1 Mulatto, 2 Indian, and 4 "Half breed;" 1 half pair twins, one of each sex, and 7 still born.

Unknown color, still-born.

EXHIBIT 11.—Occupations of Fathers of Still-born Children in Michigan in 1878, according to the Returns.

FATHERS.	1	HILDRE	EN.	FATHERS.	e e	HILDRI	EN.
Occupations.	Males	Fe- males.	Unk.	OCCUPATIONS.	Males,	Fe- males.	Unk.
Accountants			1	Lumbermen	3	3	
Agents	1			Machinists	5		
Auctioneers	1			Manufacturers	1		
Baggagemen		1		Masons	1		
Barbers	1			Mechanics	3	5	
Bar-tenders		1		Merchants	6	7	1
Basket-makers		1		Millers	2		
Blacksmiths		4		Mill Men		1	
Boarding-house keepers	200			Milk Dealers	1		
Book-keepers		4		Miners	21	12	1
Brewers			1	Moulders	3		
Butchers	700	2	2	Painters	1	3	
Cabinet-makers		1		Patent-right Agents			1
Carpenters		4	3	Pattern Fitters	1		
Carpenters and Joiners	77 1 791			"Peanut Stand"	1		
Carriage Manufacturers		1	1	Peddlers	1	2	
Carriage-trimmers				Pensioners	1		
Choppers		-1		Physicians	3	1	1
Cigar-makers	9	1		Plasterers	1		
Clerks		2		Policemen	1		
Commercial Agents		600		Politicians	1		
Cooks		2	*****	Printers	2		
Coopers		2	2	R. R. Agents	1-	2	
Deputy Treas. D. L. & N. R.				R. R. Clerks	1		
Doctors of Divinity	-			R. R. Employes		2	
Draymen		1		R. R. Laborers	1	100	
Engineers				River Men	1		
Factory-hand				Sailors		4	
Farmers	1000	125	8	Saloon-keepers	3	2	*****
Farm Laborers		1	100	Sculptors	1		
Finishers		200	1	"Second-hand Furniture"	1	1	
Firemen in Mill		1		Shingle Dealers	-	-	
Charles Comments of the Commen	COLUMN TO SERVICE STATE OF THE PERSON NAMED IN COLUMN TO SERVICE STATE OF THE PERSON NAMED STATE STATE OF THE PERSON NAMED STATE STATE STATE OF THE PERSON NAMED STATE STATE STATE STATE STATE STATE STATE STATE STAT	1	******	CONTRACTOR OF THE PROPERTY OF	2	1	
Firemen				Ship-buildersShoe-makers	1	*****	******
The state of the s	0.00	******			1	2	
Foremen		1		Smelters	-	******	
Gardeners		1	******	Station Agents		1	
Grocers	100		******	Tanners	1	******	******
Harness-makers				Teachers	4		
Hotel-keepers		2	*****	Teamsters	3	3	
Insurance Agents	-	2	*****	Tinsmiths	1	1	
Jewelers			******	Unknown	37	29	8
Joiners	The second second	1		Upholsterers	1		*****
Laborers		61	8	Wagon-makers	2	1	
Laborers in Mill	74	1		Waiters	1		
Livery-keepers		1		Watchmen	*****	*****	1
Log-drivers		1					1

TABLE XX.—Exhibiting the Number of Males to 100 Females among Twin Ohildren, and the Number of Illegitimate and Still-born Children Returned as having been born in Michigan during the Year 1878.

STATE AND COUNTIES.	Twin Children,— Number of Males to 100 Females.	Number of Illegiti- mate Chil- dren born in 1878.	Number of Still- births in 1878.	COUNTIES.	Twin Children,— Number of Males to 100 Females.	Number of Illegiti- mate Chil- dren born in 1878.	Number of Still- births in 1878.
State	92	202	793	Kent	75	7	35
Alcona				Keweenaw	300	1	23
Allegan	47	3	14	Lnke	ь	1	3
Alpena	33		7	Lapeer	100	3	6
Baraga	100	2		Leelanaw	100	1	3
Barry	300	1	7	Lenawee	20	1	19
Bay	65	3	13	Livingston	100	1	3
Benzie			1	Macomb	67		11
Berrien	56	3	13	Manistee	300	1	9
Branch	60	3	10	Marquette	100	3	17
Calhoun	140	. 2	17	Mason	a		
Cass	80	6	11	Mecosta	60	1	
Charlevoix	300		1	Menominee			1
Cheboygan	a		1	Midland			
Chippewa		- 6		Missaukee	a		1
Clare	100	1	2	Monroe	71	3	25
Clinton	100	5	21	Montealm	173	3	15
Crawford	b		1	Muskegon	180	6	15
Delta			1	Newaygo		1	1
Eaton	220	2	14	Oakland	100	8	
Emmet		. 2		Oceana	71	1	1
Genesee	150	5	21	Ontonagon			
Gladwin	300			Osceola	200		19
Grand Traverse	50	1	4	Ottawa	73	4	31
Gratiot	100	4	12	Presque Isle			
Hillsdale	140		11	Saginaw	90	3	26
Houghton	100	5	23	Sanilac	100	8	
Huron	1996	1	6	Shlawassee		4	
Ingham	100	2	4	St. Clair	136	9	20
Ionia	80	5	13	St. Joseph	60	5	1
I0800	300		1	Tuscola	233	1	1
Isabella	75	2	11	Van Buren	64	6	10
Jackson	100	2	17	Washtenaw	200	8	18
Kalamazoo	250	6	13	Wayne		0 44	130
Kalkaska	100			Wexford	1	1	11

<sup>\*</sup> No males.

b No females.

c See foot-note s to Exhibit 8, page 56.

Exhibit 10 shows that there were twenty-two townships in this State in 1878, in which it is reported that there were no births. These townships represented in 1874, so far as can be ascertained, a population of 6,522.

EXHIBIT 10.—Townships in which it is Reported that there were No Births in 1878.

	Townships,-No Births	Popul	LATION IN	1874.
COUNTIES.	IN 1878.	Total.	Males.	Females
Total		6,522	3,682	2,840
Alpena	Ossineke	110	78	32
Bay	Bangor	4,892	2,677	2,215
Benzie	Gilmore	504	272	282
Clare	Hayes			
	(Frederick			
Orawford	Grayling			
	South Branch			
Iosco	Plainfield	119	71	48
Isabella	Gilmore	115	68	49
Lake	Edena			
Missaukee	Pioneer	60	40	20
Muskegon	Blue Lake	297	180	117
	Cummings			
Ogemaw	Ogemawb	149	99	50
	Rose			
Ontonagon	Carp Lake	76	52	24
	(Charltona			
-	Elmira			
Otsego	Corwitha			
	Dover			
woman and	( Nester			
Roscommona	Roscommon	200	147	53

o Organized since Census was taken.
Formerly in Iosco county.
Formerly in Midland county.

According to the evidence given in Table XXI. there were 13 townships and one county in this State from which no returns of births were received during the year 1878.

TABLE XXI.—Exhibiting the Counties and Townships from which no Returns of Births in 1878 were received, and, by Sex, the Number of Inhabitants in such Counties and Townships.

200000000	TOWNSHIPS FROM WHICH NO RE-	Port	LATION I	1874.
COUNTIES,	TUENS OF BIRTHS WERE RECEIVED FOR 1878.	Total.	Males.	Females
Total		5,546	3,036	2,510
Obl.	( Detour	221	131	90
Chippewa	Sugar Island	332	173	159
Isabella	Rolland	293	153	140
Isle Royal	All Townships	4	4	
	[Hendricksab			
No. of the contract of the con	Holmesa	798	406	392
Mackinae	Newton			
	(St. Ignace	326	166	160
	Cedarville	242	159	83
Menominee	Breitungb			
	Spaulding			
Muskegon	Montague	1,360	746	614
Schoolcraft	Munising	472	320	159
Shiawassee	Burnsa	1,498	778	720

County Clerk says no returns from Supervisor.
Organized since Census was taken.

The following tables and exhibits contain important data concerning the sex of children.

TABLE XXII.—Exhibiting, by Months, the Relation between the Total Number of Conceptions during certain Months of the Years 1877-8, and the Proportion of each Sex Conceived during the same time and Born during the Year ending December 31, 1878, according to the Returns.

Months Birth least	of 1877 and 1878 of Conceptions of is in 1878, in order by number, the first.	Total Number of Concep- tions, b		s of 1877 and 1878, in order by num- of Males to 100 Females, greatest	Number of Males to 100 Females
0.00	April	2,158		April	117
Number of Con- ceptions.	May	2,619	rer	Decembere	114
of of ons.	August	2,750	More than the Avage Number of Males.	Julye	111
nber of ceptions.	October	2,781	Num Male	September	111
Num Sum	June	2,783	thu of	January, 1878	111
Leg	September	2,836	fore	May	110
Avera	ge	2,923		November	110
4	July	2,972	Avera	ge	108
of of	February, 1878	3,100	of Av.	October	107
nber	January, 1878	3,199	he of	March, 1878	100
Num	November	3,232	Less than the Number o Males.	Junec	10-
age Number of Conceptions.	December	3,302	Num N	Auguste	100
M	March, 1878	3,351	Les	February, 1878	100

<sup>\*</sup>Equalized to months of 30.44 days each, and excluding unknown sex and unknown month.

b For purposes of this study the time of conception is presumed to be nine calendar months previous to the month of birth.

c Exceptions to the proposition that more than the average proportion of males were conceived in months in which less than the average total number of conceptions occurred, and vice versa.

EXHIBIT N .- Births Returned as having occurred in Michigan during the Year 1878, by Sex, and by Months Equalized to 30.44 days each.

SPY	YEAR,	Months of Births, Equalized, 1878.												
SEX.	1878.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
Total	a 35,176	2,162	2,624	2,785	2,980	2,755	2,838	2,784	3,236	3,307	3,207	3,105	3,361	35
Males	18,234	1,159	1,369	1,418	1,561	1,375	1,494	1,436	1,690	1,758	1,681	1,551	1,722	20
Females	16,875	994	1,250	1,365	1,411	1,375	1,342	1,345	1,542	1,544	1,518	1,549	1,629	1
Unknown.	67	9	5	2	8	5	2	3	4	5	8	5	10	4 9

<sup>.</sup> The total number as equalized is 14 more than the total number returned (35,162).

TABLE XXIII.—Exhibiting, by Months, the Relation between the Number of Conceptions and the Number of Males to 100 Females. Conceptions estimated from Births Corrected as if Enumerated in Months of Occurrence and Equalized to Months of uniform length.

	Conce	PTIONS FOI	BIRTHS	IN 1878. a	-
Births Corre- occur- unifor	of 1877 and 1878 of Conceptions of s in 1878, estimated from Births cted as if enumerated in months of rence, and equalized to months of rm length. Months arranged in by number, the least first.	Number of Concep- tions as Corrected and Equal- ized.b	Births Correction occurs unifor order	of 1877 and 1878 of Conceptions of in 1878, estimated from Births cted as if enumerated in months of rence, and equalized to months of m length. Months arranged in by number of Males to 100 Females, est first.	Number of Males to 100 Females Births Correcte and Equa ized.
Av-	( April	3,004		December	114
of Co	February, 1878	3,996	-10	Septemberc	112
No. o	October	4,118	Aver-	Julye	- 111
Less than the erage No. of C ceptions.	March, 1878	4,158	the iber es.	January, 1878	111
Les	January, 1878	4,277	than the Number Males.	May	110
Avera	ge	4,285	More tl	November	110
0	August	4,335		March, 1878	100
Average fons.	September	4,336			200
ptifo	May	4,508	Avera	ge	100
than the Aver of Conceptions.	December	4,574	the per	June	10-
of C	November	4,629	than the Number Males.	August	100
More th	Jane	4,655	s th	February, 1878	100
Mo	July	4,830	Av.	April	7.

a See foot-note b to Table XXII., page 63.

b Excluding unknown month and unknown sex.
c Exceptions to the proposition that more than the average proportion of males were conceived in months in which less than the average number of conceptions occurred and less than the average proportion of males in months in which more than the average number of conceptions occurred.

EXHIBIT O.—Births Returned as having occurred in Michigan during the Year 1878, by Sex, and by Months Equalized to 30.44 days each, and by Months, the Excess of Males over Females, and the Number of Males to 100 Females. Unknown Sex and unknown month excluded.

SEX.	YEAR,	MONTHS OF BIRTHS, EQUALIZED, 1878.											
SEX.	1878.	Jan.	Feb.	Mar.	April.	May,	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Both Sexes	a 35,078	2,153	2,619	2,783	2,972	2,750	2,836	2,781	3,232	3,302	3,199	3,100	3,35
Males	18,214	1,159	1,369	1,418	1,561	1,375	1,494	1,436	1,690	1,758	1,681	1,551	1,72
Females	16,864	994	1,250	1,365	1,411	1,375	1,342	1,345	1,542	1,544	1,518	1,549	1,62
Excess of Males	1,350	165	119	53	150		152	91	148	214	163	2	90
Males to 100 Fe-	108	117	110	104	111	100	111	107	110	114	111	100	10

<sup>\*</sup> Excluding 98 births of unknown sex and in unknown month, and including 14 gained in equalizing

TABLE XXIV .- Exhibiting by Months, according to the Returns, the Relation between the Total Number of Conceptions, and the Total Number of Deaths which occurred in the Months of the Years 1877 and 1878 in which were Conceived the Children Born during the Year ending December 31. 1878.

	DEATHS.			Conceptions, b	
Birt	hs a of 1877 and 1878 of Conceptions of the in 1878, arranged in order by Total inber of Deaths, the least first.	Number of Deaths, as Equal- ized.	Bir	hs a of 1877 and 1878 of Conceptions of this in 1878, in order by number, the st first.	Number of Conceptions, as Equal- ized. *
0.91	January, 1878	717	ge.	[ April	2,162
the Average of Deaths.	February, 1878	858	Less than the Average No. of Conceptions.	May	2,624
Dout	June	888	ne A	August	2,755
of l	March, 1878	914	Con	October	2,784
nper	May	958	s the	June	2,785
Less than Number	April	992	Les	September	2,838
Les	July	1,021	Ave	rage	2,929
Ave	rage	1,059	92.	(July	2,980
. A.	November	1,075	More than the Average No. of Conceptions.	February, 1878	3,105
ne A	December	1,184	cept	January, 1878	8,207
An L	October	1,199	Con	November	3,236
No. of Deaths.	September	1,421	e th	December	3,307
Mor	August	1,531	Mor	March, 1878	3,361

EXHIBIT P .- Births Returned as having occurred in Michigan during the Year 1878, by Sex and by Months, Corrected for Omissions in Enumerating. Equalized for Increase of Population during the Year covered by the Returns, and as thus corrected and Equalized for the several Months, Equalized for Months of 30.44 days each. Unknown Sex and unknown Months excluded.

YEAR, MONTHS OF BIRTH, 1878.													
SEX.	1878.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Both Sexes	52,588	3,130	4,682	4,820	4,982	4,457	4,442	4,206	4,712	4,639	4,321	4,024	4,173
Males	26,945	1,301	2,450	2,458	2,619	2,231	2,342	2,173	2,460	2,472	2,272	2,015	2,146
Females	25,643	1,829	2,232	2,362	2,363	2,226	2,100	2,033	2,246	2,167	2,049	2,009	2,027

<sup>\*</sup> Equalized to months of 30.44 days each, excluding unknown month.

b See foot-note b to table XXII., page 63.

\* Exceptions to the proposition that there were more than an average number of conceptions in months in which tess than an average number of deaths occurred, and tess than an average number in months in which more than an average number of deaths occurred.

TABLE XXV .- Exhibiting the Relation, by Months, between the Number of Conceptions and the Number of Deaths, the Number of Deaths and the Number of Births Returned from which Conceptions are estimated, being Corrected as if Enumerated in Months of Occurrence, and Equalized to Months of uniform length.

	DEATHS.			Conceptions.4	
Birt ber Corr	as of 1877 and 1878 of Conceptions of the in 1878, arranged in order by num- of Deaths, the least first. Deaths rected as if enumerated in months of arrence, and equalized to months of form length.	of Deaths, as Cor-	Birt rect curr form	is of 1877 and 1878 of Conceptions of his in 1878, estimated from Births Cor- ed as if enumerated in months of oc- ence, and equalized to months of uni- n length. Months arranged in order number, the least first.	of Concep- tions, as Corrected
92	January, 1878	1,272	1.v. 0's.	April	3,811
Average eaths.	June	1,298	eptle	February, 1878	3,995
Avera Deaths.	November	1,346	an th	October	4,112
5%	December	1,372	Less than the Av.	March, 1878	4,163
Less than Number	May	1,441	Les No.	January, 1878	4,278
Nun	July	1,450			
Le	February, 1878	1,481	Aver	age	4,348
		1,524	Se Is.	August	4,331
Aver	age	1,524	erag	September	4,328
4.	( March, 1878	1,532	the Average Conceptions,	May	4,491
he A	April	1,534	the	December	4,570
More than the Av.	October	1,551	More than Number of	November	4,625
e th	September	1,897	re t	June	4,645
Mor	August	2,109	Mo	July	4,829

a See foot-note b to Table XXII, page 63.
b Excluding unknown month.
c Exceptions to the proposition that there were more than an average number of conceptions in months in which Less than an average number of deaths occurred, and Less than an average number of conceptions in months in which more than an average number of deaths occurred.

TABLE XXVI.—Exhibiting by Months, the Relation between the Number of Deaths and the Proportion of each Sex Conceived during the same Months of the Years 1877 and 1878; the Number of Deaths and the Number of Births Returned from which Conceptions are estimated being Corrected as if Enumerated in Months of Occurrence, and Equalized to Months of uniform length.

	DEATHS.			Conceptions, a	
Birt ber rect occu	hs of 1877 and 1878 of Conceptions of hs in 1878, arranged in order by num- of Deaths, least first. Deaths Cor- ed as if enumerated in months of arrence, and equalized to months of form length.	Number of Deaths, as Cor- rected and Equal- ized.	Birth recte curre form	s of 1877 and 1878 of Conceptions of is in 1878, estimated from Births Cor- das if enumerated in months of oc- nce, and equalized to months of uni- length. Months arranged in order imber of Males to 100 Females, great- rst.	Number of Males to 100 Fe-males. Births Correct ed and Equalized.
0.0	January, 1878	1,272		December	114
the Average of Deaths.	June	1,298	to L	September	112
Dea	November	1,346	Aver-	July	111
	December	1,372	than the Ar Proportion of Males.	January, 1878	111
han	May	1,441	rop Mal	May	110
Less than Number	July	1,450	ge F	November	110
Les	February, 1878	1,481	More tage	October	107
Ave	rage	1,524		(March, 1878	106
. A.	March, 1878	1,532	Avera	ge	105
than the Av.	April	1,534	he	June	104
ant Des	October	1,551	an t	August	100
o. of	September	1,897	Less than the Av.Proportion of Males.	February, 1878	100
Nore No.	August	2,109	Av.	April	71

<sup>\*</sup>See foot-note b to Table XXII, page 63.

b Excluding births in unknown month and of unknown sex.

c Exceptions to the proposition that more than an average proportion of males were conceived in months in which less than an average number of deaths occurred, and less than an average proportion of males in months in which more than an average number of deaths occurred.

TABLE XXVII.—Exhibiting by Months, according to the Returns, the Relation between the Iotal Number of Deaths and the Proportion of each Sex Conceived during the same Months of the Years 1877 and 1878, and Born during the Year ending December 31, 1878.

	DEATHS.			Conceptions.b	
Birti	se of 1877 and 1878 of Conceptions of as in 1878, arranged in order by ther of Deaths, the least first.	Number of Deaths, as Equal- ized.	Month ber dirst.	ss of 1877 and 1878, in order by num- of Males to 100 Females, greatest	Number of Males to 100 Females
8	January, 1978	717		April	117
the series	February, 1878	853	Aver-	December	114
e Average Deaths.	June	888	ertica.	July	111
д₩.	March, 1878	914	M 7 M	September	111
pen Den	May	958	re than the Avage Proportion of Males.	January, 1978	111
Less than t Number o	April	992	More than the age Proporti of Males.	May	[ 110
ដ	July	1,021	-	Novemberc	110
Avera	ge	1,059	Avera	ge	106
<u>.</u>	November	1,075	<u>ئ</u> ر	October	107
b b c	December	1,184	be .	March, 1878	106
fore than the Average Number of Deaths.	October	1,199	Less than the Av Proportion of Males.	June	104
More the	September	1,421	E Z	August	100
G K	August	1,531	Les	   February, 1879	100

<sup>\*</sup>Equalized to months of 30.44 days each, excluding unknown month.

See foot-note b to Table XXII, page 63.

Exceptions to the proposition that more than an average proportion of males were conceived in months in which less than an average number of deaths occurred, and less than an average proportion of males in months in which more than an average number of deaths occurred.

TABLE XXVIII .- Exhibiting for the Total Births, for the Twins, Illegilimates, and Still-born Children Returned as having been Born in Michigan during the Year 1878; the Number of Boys to 100 Girls among such Children, distinguishing the Parent-Nativities, and thus exhibiting the Influence of Parent-Nativity upon Sex of Children.

	BIRTH	, 1878.		Boys to 1	00 GIRLS.	
NATIVITY OF PARENTS.	Males.	Females.	Total Births.	Twin Children.	Illegiti-	Still- births.
All Nativities	18,224	16,871	108,02	92.34	110.75	144.63
Both Parents Native	8,485	7,813	108.60	96,04		137,80
Both Parents Foreign	6,216	5,752	108,07	76,69		156.19
Foreign Father and Native Mother.	1,954	1,904	102.63	78.72		119.2
Foreign Mother and Native Father.	1,049	907	115,66	163.64		164.28
One or Both Unknown	520	495	105,05	180.00		145.7
Native	10,539	9,821	107.51	93,60	126.00	133.5
Mothers Foreign	7,297	6,710	108,75	87.03	54.55	158,3
Unknown	388	340	114.12	166.67	157.14	146.8
(Native	9,634	8,828	109,13	103.52	172.73	143.2
Fathers Foreign	8,237	7,717	106.74	79.25	183,33	149,6
Unknown	353	326	108,28	140.00	102.63	130,3
One or Both Native	11,688	10,836	107.86	100,00		138.4
One or Both Foreign	9,318	8,675	107.41	87.18	********	152.0
Both Unknown	221	171	129.24	100.00		130.0
Same Country	b 14,701	b 13,565	ь 108,37	< 89.91		° 146.30
Different Countries	d 3,003	d 2,811	4 106,83	e 91.75		c 136.5
Same American State or Foreign Country	-			81.43		135.50
Different American States or Foreign Countries				98.44		174.6

<sup>\*</sup> Excluding unknown month.

b Includes "Native" and "Foreign."

c Includes "Native," and same Foreign Country.

d Includes "Foreign Father and Native Mother," and "Foreign Mother and Native Father."

locitides "Different Countries," "Foreign Father and Native Mother," and "Foreign Mother and Native Father."

# MARRIAGES, 1878.

The year 1878 seems to have been an exceptional one, in the large number of marriages returned as having been solemnized in this State. According to the first returns of marriages to the State Department for the year 1878, there were 12,221 marriages solemnized in Michigan in 1878, which is the largest number included in the first returns for any year; and it is probable that this number will be increased by the returns for subsequent years to about 13,000 marriages, inasmuch as the returns for every year contain many marriages which were solemnized in years previous to that for which the general returns are made, these marriages having been omitted when they should have been returned.

The average number of marriages in Michigan in 1878, for each of certain specified periods of time, including marriages in unknown month, is as follows:

Average number per	quarter3	,055.25
Average number per	month1	.018.42
	week	
	day	33.48

Table I. shows the number and per cent, of marriages in each quarter of each of the years 1873-1878. The largest per cent, is shown for the last quarter of each year. In this table the number for each year is corrected for additional returns of marriages since the compilation for these years, respectively, was made.

In Exhibit A the number of marriages is shown as originally returned, compiled, and published. A comparison of this exhibit with Table I. will show the number of marriages returned for each year since the first general returns for these years.

TABLE I.—Marriages by Quarters of the Year, showing Number and Per Cent. in each Quarter of the Year for each of the Years 1873, 1874, 1875, 1876, 1877, and 1878, Corrected for Additional Returns, up to December 20, 1879.

TOTALS, AND MONTHS	187	3.	187	14.	18	75.	187	6.	187	7.	187	8.
WITH WRICH QUARTERS END.	Num- ber.	Per Cent.	Num- ber.	Per Cent.	Num- ber.	Per Cent.	Num- ber.	Per Cent.	Num- ber.	Per Cent.	Num- ber.	Per Cent.
Totals	11,897	100,00	12,247	100,00	11,798	100,00	11,803	100,00	11,655	100,00	12,921	100.00
March	2,680	22.53	2,943	24.03	2,584	21.90	2,695	22,83	2,683	23.02	2,901	23.7
June	2,707	22,75	2,596	21.20	2,651	22.47	2,619	22.19	2,511	21.55	2,606	21.35
September	3,029	25,46	2,933	23.95	2,767	23,45	2,844	24.10	2,779	23,84	2,906	28.7
December	3,475	29,21	3,764	30,73	3,794	32,16	3,639	30,83	3,671	31.50	3,798	81.0
Unknown	6	.05	11	.09	2	.02	6	.05	11	.09	10	.08
Average a	2,974	25.00	3,062	25.00	2,950	25.00	2,951	25.00	2,914	25,00	3,055	25.0

<sup>.</sup> Including unknown quarter.

EXHIBIT A.—Marriages by Quarters of the Year, showing number and Per Cent. in each Quarter of the Year, for each of the Years 1873, 1874, 1875, 1876, 1877, and 1878, as Originally Returned and published in Reports.

TOTALS, AND MONTHS	187	73.	18	74.	18	75.	18	76.	18	77.	18	78.
WITH WHICH QUARTERS END.	Num- ber.	Per Cent.	Num- ber.	Per Cent.	Num- ber.	Per Cent.	Num- ber.	Per Cent.	Num- ber.	Per Cent.	Num- ber.	Per Cent.
Totals	10,574	100.00	11,041	100.00	11,055	100,00	10,858	100.00	11,009	100.00	12,221	100,00
March	2,580	24.39	2,832	25,65	2,519	22,79	2,599	23,94	2,633	23.92	2,901	23.7
June	2,578	24,38	2,483	22.49	2,557	23,13	2,474	22.79	2,422 22,00		2,606 21.	21.3
September	2,774	26,23	2,713	24.57	2,625	23.74	2,677	24.65	2,646	24.03	2,906	23.78
December	2,637	24.94	3,003	27.20	3,353	80.33	3,105	28,60	3,298	29.96	3,798	31.0
Unknown	5	.05	10	.09	1	.01	3	.03	10 .00		10	.0
Average a	2,644	25,00	2,760	25.00	2,764	25.00	2,715	25.00	2,752	25.00	3,055	25.0

<sup>\*</sup>Including unknown quarter.

In Exhibit B the number of marriages is shown for each of the years 1874-1878, by months, as returned, and as equalized to uniform length. In 1878, October shows the largest number of marriages, and August the least.

EXHIBT B.—Marriages in Michigan during the Years 1874 to 1878, inclusive, Corrected, for additional returns, up to December 20, 1879, and Equalized to Months of 30.44 days each.

_		-		-					Mo	MONTHS.						
	4	YEAR, TOTAL.	-	Jan. 1	Feb.	Mar.	Apr. 3	May. J	June. 3	July.	Aug.	Sept.	Oet.	Nov.	Dec.	Unk.
		13	19,547	986	979	806	296	844	787	1,011	874	1,048	1,164	1,241	1,359	11
A		-	1	56	+2.44	-,56	+.44	-,56	+.44	56	56	+.41	-,56	+.44	-,56	-
4		18/4	+14	-18	+82	-11	+14	-15	+ 12	-18	-16	+15	15-	+ 18	-95	-
M	Marriages, equalized to months of uniform length	1 21	12,261	978	1,064	921	979	858	799	993	828	1,063	1,143	1,259	1,354	=
N	and the same of	=	11,798	80.6	802	913	134	902	813	166	793	983	1,262	1,283	1,999	G1
-	by which the months should be in-	-	1	+ 99	+244	- 56	+.44	56	+.44	99"-	56	+.44	- 56	+.44	56	-
4	Namber by which the marriages should be increased or di- 15 minished to equalize them to months of uniform length	18/03	71	-16	+ 70	-16	+ 14	-16	+ 15	-18	-14	+14	-93	+ 18	-03	1
N	Marriages, equalized to months of uniform length	11	11,800	820	875	208	948	883	824	973	779	266	1,239	1,251	1,276	04
A		11	11,803	953	877	865	924	868	797	1,047	785	1,012	1,234	1,161	1,244	9
н ;	by which the months should be in-		1	+ 99	1,44	99'-	+.44	56	+.44	56	56	+.44	56	+.44	56	-
4	Number by which the marriages should be inereased or di- 15 minished to equalize them to months of uniform length	18/6-	+ 24	-17	+44	-16	+ 14	-16	+13	-19	-14	+ 15	-22	+17	-22	-
-	Marriages, equalized to months of uniform length	=	877,11	936	921	618	896	852	808	1,028	171	1,097	1,212	1,178	1,222	9
N	Marriages as returned	=	11,655	963	848	872	933	840	739	925	767	1,087	1,223	1,190	1,258	=
-	to equalize them to uniform length.	-	-	-,56	2.41	56	+.41	- 56	4.44	-26	-,56	+.44	56	+.11	99-	
	Ministed to equalize them to months of uniform length	13113	00	-17	+14	-16	+ 14	27-	+ 11	-17	-14	+ 16	-93	+17	-93	
10	Marriages, equalized to months of uniform length	-	11,663	946	922	856	947	834	740	806	753	1,103	1,201	1,207	1,235	11
N	Marriages as returned	12	12,221	1,055	856	006	956	1935	758	100	870	1,129	1,307	1,238	1,253	10
1 ;	d to equalize them to uniform length.		-	+ 99'-	+2.44	56	+.44	56	+344	-56	56	+.41	-,56	+.41	56	
4	minished to equalize them to months of uniform length	20	01 +	-10	+ 75	-18	+ 14	-17	+11	-16	-16	+17	16-	+18	-93	-
N	Marriages, equalized to months of uniform length	12	12,923	1,036	186	972	076	902	769	891	854	1,146	1,283	1,256	1,230	10
I			١	I								۱	١			

1,200 1.050 1,000 deale = 100 to the inch Designed by Henry & Baker

TABLE II.—Marriages Returned as having been solemnized in Michigan, by Months, Arranged in Order by Number, Months having the greatest number first, for the Years 1875, 1876, 1877, and 1878, Corrected, for additional returns, up to December 20, 1879.

		1875.			1876.		1	677.		!	1878.	
	MONTES.	Num- ber.	Per Ct. of Total.	MONTHS.	Num- ber.	Per Ct. of Total.	MONTHS.	Num- ber.	PerCt. of Total.	MONTHS.	Num- ber.	Per Ct. of: Total.
ORDER.	Total	11,798	100.00	Total	11,803	100.00	Total	11,655	100.00	Total	12,221	100.00
1	Dec	1,299	11.01	Dec	1,244	10.54	Dec	1,258	10.79	Oct	1,307	10.70
2	Oct	1,262	10.70	Oct	1,234	10.45	Oct	1,223	10.49	Dec	1,253	10.25
3	Nov	1,233	10.45	Nov	1,161	9.84	Nov	1,190	10.21	Nov	1,238	10.13
4	July	991	8.40	July	1,047	8.87	Sept	1,087	9.83	Sept	1,129	9.24
5	Sept	983	8.33	Sept	1,012	8.58	Jan	963	8.26	Jan	1,055	8.63
6	Apr	934	7,92	April	954	8.08	April	983	8,01	Mar	990	8,10
7	Mar	913	7.74	Jan	953	8.08	July	925	7.94	April	926	7.58
8	Мау	905	7.67	Feb	877	7.43	Mar	872	7.48	May	922	7.55
9	Jan	886	7.34	May	868	7.35	May	849	7.28	July	907	7.42
10	June	812	6.88	Mar	865	7.33	Feb	848	7.28	Aug	870	7.12
11	Feb	805	6.82	June	797	6.75	Δug	767	6.58	Feb	856	7.00
13	Aug	793	6.72	Aug	785	6.65	June	729	6.26	June	758	6.20
	Unk	2	.02	Unk	6	.05	Unk	11	.09	Unk	10	.08
	Aver'ge •	983	8.33	Aver'ge •	984	8.33	Aver'go =	971	8.33	Aver'ge=	1,018	8.83

<sup>·</sup> Includes those for unknown month.

TABLE III.—Distinguishing, by Counties and by Months, the number of Marriages returned as having been solemnized in Michigan during the Year ending December 31, 1878.

STATE	Year,						Moz	erns, 1	878.					_
COUNTIES.	1878.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk
STATE	12,221	1,055	856	990	926	922	758	907	870	1,129	1,307	1,238	1,253	10
Alcona	6							1		2	1	1	1	
Allegan	275	22	18	24	27	16	16	18	23	20	25	31	35	
Alpena	, 54	1	3	1	4	7	3	3	6	7	5	7	7	
Antrim	32	1	1	6	3	2		1	2	3	2	7	4	
Baraga	7					1	1	1			1		3	
Barry	212	16	21	19	16	11	11	16	16	20	29	17	20	
Bay	246	21	19	22	35	21	11	26	24	28	20	23	16	
Benzie	21		2			1	1	2	2	5	3	3	2	
Berrien	422	31	22	34	28	31	20	39	29	56	34	48	49	
Branch	310	29	16	30	25	21	18	24	20	32	31	39	25	
Cathoun	321	40	28	30	20	19	20	14	21	29	40	26	34	****
Cass	202	17	19	21	21	12	13	13	13	16	15	17	24	
Charlevolx.	29			3	5	2		3	2	8	2	2	2	
Cheboygan	40	3	1	3		4	4	2	3	3	6	8	3	
Chippewa	12					1	1	1	2	2	Г	1		+
Clare	16	3	1	3	3	1			2		1	2		
Clinton	228	20	25	17	17	21	11	9	15	13	29	21	30	
Delta	43	5	1			3	5	4	2	4	4	9		
Eaton	266	16	21	26	19	20	9	22	21	22	29	28	83	
Emmet	55	10	3	1	3	5	5	6	7	5	3	5	2	
Genesee	391	37	32	34	23	20	22	38	25	40	53	26	41	
Gladwin	4		1			1						1	1	
Gr. Traverse	52	6	2	2	5	5	6	3	4	3	6	2	8	
Gratiot	133	15	7	11	9	7	6	8	6	13	17	18	16	
Hillsdale	371	27	31	32	22	17	30	23	27	35	48	43		
Houghton	159	15	16	18	13	15	9	14	12	10	16	13	8	
Huron	120	11	12	13	7	7	n	3	8	11	13	13	11	
Ingham	395	34	29	23	21	27	32	30	26	33	64	33	42	1
Ionia	276	27	16	12	25	18	20	16	30	26	32	26	28	
Iosco	46	3	3	4	1	3	2	5	6	6	6	5	2	
Isabella	56	4	6	3	5	2	4	2	4	4	7	10	4	
Isle Royala														
Jackson	358	35	21	25	32	31	19	34	20	29	33	41	38	
Kalamazoo	302	25	23	31	26	27	14	23	16	34	33	22	30	

<sup>.</sup> No returns from county clerk.

# TABLE III.—CONTINUED.—Marriages by Counties, by Months.

COUNTIES.	Year,						Mon	тив, 1	878.					
COUNTIES.	1878,	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk
Kalkaska	30	3	1	2	5	3		5			2	4	5	
Kent	579	50	38	46	53	36	38	39	50	56	51	58	64	
Keweenaw	26	1	4	4	2	3		2	4	1	2	1	2	
Lake	16	2		1	3	1	3	1		2	1		2	
Lapeer	229	17	17	18	22	15	13	14	16	23	25	27	22	
Leelanaw	27	4			5	5	2	6	1	2	2			
Lenawee	408	38	35	38	26	31	17	23	85	28	43	54	40	
Livingston	135	13	12	14	10	9	7	5	8	12	17	16	12	
Mackinac	25	5	2	2	2	2	1		1	3	3	1	3	
Macomb	233	27	16	18	16	17	14	13	16	19	25	22	30	
Manistee	75	2		8	4	5	9	13	4	4	7	9	10	
Manitou	11	1	1		1	1		1		4	1	1		
Marquette	96	7	5	8	6	6	14	12	6	9	13	2	8	
Mason	71	7	2	4	13	8	4	6	3	11	8	2	73	
Mecosta	102	8	4	9	13	11	6	12	3	11	4	10	11	
Menominee	35	2		2	3	5	2	5	6	2	6	2		
Midland	54	12	3	4	3		4	8	4	4	5	4	3	
Missaukee	6				1	1		2			1	1		1
Monroe	305	25	38	27	28	23	29	14	20	24	24	25	28	
Montealm	233	11	14	25	22	12	18	13	13	29	29	24	23	
Muskegon	161	13	9	11	14	14	10	10	13	11	22	15	19	
Newaygo	76	5	7	8	4	4	9	7	6	8	8	7	3	1
Oakland	301	33	25	33	24	11	17	20	9	23	29	40	35	
Oceana	81	11	5	6	9	5	6	8	3	6	8	7	7	15
Ogemaw	3							1	1	1				
Ontonagon	10					1	1	1	1	2	2	2		
Oscoola	75	5	5	5	8	8	4	7	5	5	11	6	6	
Otsego	7			2		1	1				2		1	0
Ottawa	216	11	16	22	16	17	6	20	20	26	19	19	23	1
Presque I'l	4		1				1	1				1		
Roscommon.	3	1		1	1									
Saginaw	371	37	25	29	24	39	23	31	26	24	33	35	45	
Sanilao	152	12	5	15	10	12	13	13	7	10	23	13	19	
Schoolcraft.	9	1			9	2	-	2	1	1	-			
Shiawassee	165	9	12	7	9	12	14	8	19	17	17	25	16	
St. Clair	299	29	15	26	23	26	13	21	20	23	35	29	37	
St. Joseph	314	23	25	28	25	18	20	18	15	28	32	41	41	

TABLE III.—CONTINUED.—Marriges by Counties, by Months.

OOTT NIMT DO	Year,		Монтия, 1878.											
COUNTIES.	1878.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk
Tuscola	189	12	17	15	12	23	0	23	13	14	22	19	13	
Van Buren	268	17	22	24	18	14	11	15	25	35	28	28	30	13
Washtenaw.	268	35	17	22	21	22	14	19	18	19	23	27	28	- 3
Wayne	1,019	82	57	54	70	116	84	75	81	112	111	109	97	1
Wexford	46	10	1	4	3	4		9	8	1	4	4	3	

The number of marriages, and the number of persons married in Michigan in 1878, by color, are shown in Table IV. It may be seen that 97.95 per cent. of all the persons married were white, and only .32 per cent. were mulatto. According to this table, 54 persons married those of another color.

TABLE IV.—Exhibiting, by Color and by Sex, the Number of Marriages, and the Number and Per Cent. of Total Number of Persons Married in Michigan during the Year 1878.

		Number		MARRIED, 178.	Number of Per-
COLOR,-1878.	Sex.	Marriages, 1878.	Number.	Per Cent. of Total.	sons who Married those of another Color.
	[Total	12,221	24,442	100,00	54
All Colors	Males		12,221	50.00	27
	Females		12,221	50.00	27
	Total	11,953	23,931	97.91	16
White	Males	**********	11,978	49.01	9
	Females		11,953	48,90	7
	[ Total	79	151	.62	13
Black	Males		79	,32	10
	Females		72	.29	3
	[ Total	38	79	.32	13
Muintto	Males		38	.16	4
	Females	*******	41	.17	.9
	Total	53	110	.45	12
Indian	Males		53	,92	4
	Females		57	,23	8
	Total	98	171	.70	
One or Both Unknown	Males		78	.30	
	[Females	*********	, 98	.40	
	Total	117	230	.94	26
Black and Mulatto	Males		117	.48	14
	Females		113	.46	12

TABLE V .- Exhibiting for the State and Counties, the Number of Marriages Returned as having been Solemnized in Michigan during the Year 1878, the Number of White Persons, and by Color the Number of Marriages where one or both parties were other than White.

			OA OF F	ERSONS MA	market, 1	ord, DIATE	BY COUP	and,
STATE	Marriages, 1878.	-			*	FEMALE UNK.	MALE UNK.	Both
COUNTIES.	2013	White.	Black.	Mulatto.	Indian.	Male White.	Female White.	Unknown
State	12,221	a 11,953	ь 79	c 38	4 53	25	2	• 71
Alcona	6	6						
Allegan	275	f 272	1	1		1		
Alpena	54	54		**********				
Antrim	32	32						
Baraga	7	5			g 2			
Barry	212	211				1		
Вау	246	242	1	1	h 2			
Benzie	21	20		1				
Berrien	422	413	1.7	11		1		
Branch	310	309	1	******				
Calhoun	321	309	k 2		11	3	2	4
Cass	202	185	m 6	117		2		+ 2
Charlevoix	29	27			2			
Cheboygan	40	0 38			p 2			
Chippewa	12	10			2			
Clare	16	16	*******					
Clinton	228	228						
Delta	43	43						

a Includes 6 couples male White, female White and Indian, 2 couples male White, female Mulatto, 5; 1 couple male White, female Mulatto, female White, and 1 couple, male "Light," female White, and 1 couple, "Breed Indian," 1 couple male "Light," b Includes 19 couples "African," 17 couples "Colored," 7 couples "African and Indian," 1 couple male "Black, female White, 1 couple male "African," 16 male Black, female White, 1 couple male "African," female White, 1 couple male "African," female White, 1 couple male "Colored," female Black, female White, 1 couple male "Brown," female Black, female White, 1 couples male "Brown," female "Dark," 2 couples male "Brown," female Mulatto, female Black, 1 couple male White, 1 couple male White, 1 couple male White, 1 couple male Mulatto, female Black, 2 couples male Mulatto, female Bl

TABLE V .- CONTINUED .- Marriages in 1878, by Counties, by Color.

	1	COL	OR OF PE	RSONS MAI	RRIED, 18	78, STATED	BY COUPL	ES.
COUNTIES.	Marriages, 1878.	White.	Black.	Mulatto.	Indian.	FEMALE UNK.	MALE UNK.	Both Unknown
						Male White.	Female White.	Unknowi
Eaton	266	264				1		1
Emmet	55	38			a 17			
Genesce	391	391	******	*********				
Gladwin	4	4				*********		
Grand Traverse	52	52		****				
Gratiot	133	h 133						
Hillsdale	371	371	*******					
Houghton	159	159						
Huron	120	120						
Ingham	395	391	0.4					*******
Ionia	276	276						
Iosco	46	44	41	1				
Isabella	56	53				2		
Isle Royal				*********				*******
Jackson	358	355	12	1				
Kalamazoo	302	294	z 4	2				13
Kalkaska	30	30						
Kent	579	568	h 3	12		2		19
Keweenaw	26	25						
Lake	16	16						
Lapeer	229	226			3			
Leelanaw	27	25			2			
Lenawee	408	407	1					
Livingston	135	135						
Mackinac	25	3 22			k 3			
Macomb	233	233						********
Manistee	75	75						
Manitou	11	11						
Marquette	96	95		1				
Mason	71	66			5			
Mecosta	102	98	4 4	(	1			2

<sup>\*</sup>Includes 1 couple male Indian, female White, 1 couple male "Half Indian," female Indian, and 1 couple "Half-breed."

b Includes 1 couple male "Light," female White.

c Includes 1 couple male Black, female Mulatto, 1 couple "Dark," and I couple male Black, female White.

I Includes 1 couple male Mulatto, 1 couple "Dark," and I couple male Black, female White.

J Includes 4 couples male White, female White and Indian.

I Includes 1 couple male White, female White and Indian.

I Includes 2 couples "Colored."

I Includes 1 couple male Mulatto, female White.

I Includes 1 couple male White, female White and Indian.

I Includes 2 couples "Colored."

I Includes 1 couple male Mulatto, female White.

I Includes 1 couple male White, female White and Indian.

TABLE V.—CONTINUED.—Marriages in 1878, by Counties, by Color.

		Cor	OR OF PI	BSONS MAI	RRIED, 18	78, STATED	BY COUPI	.BS.
COUNTIES.	Marriages,					FEMALE UNE.	MALE UNK.	Both
-		White.	Black.	Mulatto.	Indian.	Male White.	Female White.	Unknown
Menominee	35	35	*******		*******			
Midland	54	53	* 1					
Missaukee	6	6						
Monroe	305	305						
Montcalm	233	190				1		42
Muskegon	161	b 161						
Newaygo	76	75				1		
Oakland	301	298	0 1			9		
Oceana	81	77			4			
Ogemaw	3	8						
Ontonagon	10	8			4 2			
Osceola	75	75						
Otsego	7	7						
Ottawa	216	214	* 1		1			
Presque Isle	4	4						-
Roscommon	3	3						
Saginaw	371	368	1		9		1	
Sanilac	152	152					***************************************	
Schoolcraft	9	8			f 1			
Shiawassee	165	164	1					
St. Clair	299	292		1		3		3
	314	- 300			********	9	***********	
St. Joseph	3.00	g 314		***********			**********	********
Tuscola	189	188			1			
Van Buren	268	265		2				1
Washtenaw	266	249	h 5	19		3		**********
Wayne	1,049	) 996	k 32	18	1	2		10
Wexford	46	46	******		*******			

h Includes 1 couple "African," and 2 couples male Black, female Mulatto.

a Includes 1 couple male "African," female White, b Includes 1 couple male White, female White and Indian.

Includes 1 couple male White, female White ad Includes 1 couple male "M Breed Indian," female "M Breed Indian," female "M Breed Indian," and 1 couple male "M Breed Indian," female "M Breed Indian," and Indian.

Includes 1 couple male Black, female White, female Mulatto.

Includes 1 couple male Black, female White and Indian.

Includes 1 couple male Black, female Mulatto.

Includes 2 couples "African," 12 couples "Colored," 1 couple male Black, female Mulatto, 1 includes 2 couples "Brown," 1 couple male "Brown," 1 couple male "Brown," 1 couple male "Brown," 1 couple male "Brown," 1 couple male "Brown," 1 couple male "Brown," 1 couple male "Brown," 1 couple male "Colored," 1 couple male "Colored," 1 couple male "Colored," 1 couple male "Colored," 1 couple male "Brown," 1 couple male "Colored," 1 couple m

Exhibit 1 shows the number of persons of each sex of each nativity married in Michigan in 1878, and how they were united to the opposite sex, and the per cent. of brides and of bridegrooms of each nativity. Of the native-born persons married, there was an excess of the proportion of females over the proportion of males for each of the years 1873–1878, the average excess of females for these six years being five per cent.; and of the foreign-born persons married, there was an excess of the proportion of males over the proportion of females for each of the years 1873–1878, the average excess of males for these six years being 5.85 per cent.; that is, there were married more native-born females than native-born males, and more foreign-born males than foreign-born females. The number of native-born females who married foreign-born males; that is, the foreigh-born males who were married in this State in 1878 married more native-born females than foreign-born females.

EXHIBIT 1.—By Nativity, the Number and Per Cent. of Brides and of Bridegrooms Returned as having been married in Michigan during the Year ending December 31, 1878, and by number, the manner of their Union by Nativities.

	В	RIDES, 18	78.	BRIDEG 1878	
BRIDEGROOMS AND BRIDES, NATIVITY SPECIFIED.	Native.	Foreign.	Un- known.	Total of each Na- tivity, and of all Nativi- ties,	Per Cent. of each Nativi- ty.
Native	7,801	943	116	8,860	72.50
Bridegrooms Foreign	1,647	1,550	30	3,227	26.40
(Unknown	42	8	84	134	1,10
( Whole No. of each nativity and total.	9,490	2,501	230	12,221	
Brides Per cent. of each nativity and total	77.65	20.47	1.88		100.00

11-1878.

TABLE VI.—Exhibiting, by Sex, the Nativity of Persons returned as having been Married in Michigan during the Year 1878.

	MARRIA	GES, 1878.	PERSO	NS MABBIE	D, 1878,
NATIVITY.		Per Cent.	-	Number.	-
	Number.	of Total.	Total.	Males.	Females
Total.	12,221	100,00	24,442	12,221	12,221
Native	7,801	63,83	18,350	8,860	9,490
Foreign	1,550	12.68	5,728	3,227	2,501
Foreign Male and Native Female	1,647	13.48			
Foreign Female and Native Male	943	7.72			
Unknown.	a 280	2,29	364	134	230
One or Both Native	10,549	86.32			
One or Both Foreign	4,178	34.19			

<sup>·</sup> Includes cases where nativity of either person was unknown.

The average age of persons married in Michigan in each of the years 1875-1878, by sex, and by nativity for each of the years, is shown in Exhibit C. Judging from the evidence in this exhibit, the average age of the males who marry in this State is about 28 years, and that of the females is about 23 years, the general difference between the ages being about five years. It may be seen that the average age of the native-born persons who marry in this State is about two years less than that of the foreign-born persons, as shown for each sex.

EXHIBIT C.—Showing the Average Age of Persons Married in Michigan in 1875, 1876, 1877, and 1878, according to the Returns.

and the same of the same of	18	75.	18	76.	18	77.	187	18.
NATIVITY OF PERSONS MARRIED.	Males.	Fe- males.	Males.	Fe- males.	Males.	Fe- males.	Males.	Fe- males
All nativities	27.91	22,90	28.19	23.05	28.25	23.06	28.01	22,91
Native	27.69	22.54	27.64	22,53	27.76	22.59	27.46	22.54
Foreign	28.45	24.21	29.54	24.82	29.53	24,63	29.51	24.28
Unknown	27,28	20.91	27.94	23.32	27.75	24.36	28,82	23.62

The number of males and of females, and the total of both sexes, married in Michigan in 1878, at each age and period of age, is shown in Table VII, also the proportion of males and of females married at the different periods of life. A larger proportion of each sex is shown for the period between the ages of 21 and 25 years, than for any other period. At the period of 25 to 30 years the proportion of the sexes is nearly equal.

TABLE VII.—By Sex, Age, and Periods of Age, the Number of Persons Returned as having been Married in Michigan during the Year 1878; the Per Cent. of Total Number of Persons Married at each Age and Period of Age, and the Per Cent. of each Sex at each Age and Period of Age.

	-		COL.	MARRIAGES, 1	1010.	312	
AGES IN YEARS	Total		MALES.			FEMALES	s.
AND PERIODS.	Number of Persons Married.	Number Married.	Per Cent. of Total Marri- ages.	Per Cent. of Persons Married at Correspond- ing Ages.	Number Married.	Per Cent. of Total Marri- ages.	Per Cent. o Persons Married a Correspon- ing Ages.
All ages	24,442	12,221	100.00	50,00	12,221	100,00	50,00
18	4				4	.03	100.0
14	35				35	.28	100.0
15	122				122	1.00	100.0
16	712	1	.01	.14	711	5,82	99.8
17	987	9	.07	.91	978	8.00	99.0
18	1,523	91	.75	5.98	1,432	11.72	94.0
19	1,571	248	2.03	15.79	1,323	10,83	84.2
20	1,942	556	4,55	28.63	1,386	11.34	71.3
21 to 25	7,710	4,490	36.74	58,24	3,220	26.35	41.7
25 to 30	5,006	3,613	29,56	72.17	1,393	11.40	27.8
30 to 35	1,879	1,301	10.65	69,24	578	4.78	30.7
35 to 40	1,084	715	5.85	65.96	369	3.02	34.0
40 to 45	592	374	3.06	- 63,18	218	1.78	30.8
45 to 50	369	227	1.86	61.52	142	1.16	38,4
50 to 55	287	186	1.52	64,81	101	.83	35,1
55 to 60	186	120	.98	64.52	66	.54	85.4
60 to 65	154	116	,95	75.32	38	.31	24.6
65 to 70	90	71	.58	78.89	19	.15	21,1
70 to 75	41	36	.29	87,80	5	.04	12.2
75 to 80	15	13	.11	86,67	2	.02	13.3
30 and over	3	3	.02	100.00			
Unknown	130	51	.42	39.23	79	.65	60,7
Under 15	39				39	.32	100.00
15 to 20	4,915	349	2,86	7.10	4,566	87.36	92.90
00 to 25	9,652	5,046	41.29	52,28	4,606	87.69	47.75

TABLE VIII.—Exhibiting for the State and Counties, by Sex, the Nativily and Age in Periods of Years, of Persons Returned as having been Married in Michigan during the year ending December 31, 1878.

1					19 13	3.1	11		11	3.1			2.5	-	-	m)
1	878.	-	LMOU		10	11	11	11	11	11	13	11	11	11	11	
	RS, 18	-	o pu	1	100	11	11	11	11	11	-11	11		11	11	11
1	YEA	75	_	80'	55 cs		11	11	11	11	71	11	11	11	11	11
ı	S OF	- 20		15.	98 0	11	7 !	11	11	11	64	11	11	7	11	01
1	RIODS	- 53	_	0, 1	8 13	11	10.03	11	11	11	20 01	I	11	71	-1	2
1	PE.	- 09	5	.00	116	11	01-	11	11	11	04 !		71	10	HE	0017
1	ST ON	55	_	60	120	11	0101	1)	11		-63	7	11	NO 00	401	00-
1	STAT	20	to	92	186	11	410	-	-	11	60.00	C4	1-	Ct. 01	400	1-01
1	E8, 8	45	5	20.	142		00 4	11	17	11	411		11	20 00	10.00	00
	r AG	40	10	45,	374	-	91-	1011	00	11	94	10	11	14 0	00	11-
	EREN	120	to	40.	369		19	i	-	11	==	811	00	191	17.0	125
1	DIFF	30	to	35.	1,301		34	004	400	1	11	111	401	38	15	200
	GES AT	23	to	30.	3,613	20	77	25	15.4	20	63	32	10 01	101	35	48
	Marriages at Dipperent Ages, Stated in Periods of Years, 1878.	05	10	133	5,046	01	112	202	0.10	-	25	86.8	001-	206	158	143
1	~	Un-	der	20.	349	0	101	21	171	7	8 76	102	6	10	100	∞ 5°
1		×	ED.		168.	les.	les.	les.	les.	168.	168.	les.	les.	les.	les.	108
1		SEX	STATED.		Males Females.	Males	Males	Males	Males	Males	MalesFemales.	Males	Males	Males	Males. Females.	Males
1	ES.	IOWD.		TROOT		-	PA PA	-	PO PO	MH.	PA HA		PH	MM	-	AR.
		Marin o .	TAUT	JANKT.	00		-		1	- 1	- 1	-	1	9		- 3
1	OUPL	-	1		8 84		+	1	1	-	1	1 1	-	9	+	1
1	BY COUPL	-	1	For- elgn.	4 8		-	1	-		-			1		-
1	TED BY COUP	MALES UNENOWN.	Females.		00			-						29		1
	78, STATED BY COUP.	MALES UNENOWN.	Females.	For- elgn.	43 4 8									1	1	9 1
	HED, 1878, STATED BY COUP.	-	1	Na- For- tive. eign.	ь 30 с 42 а 8						1	1		63	1	1 2 1
	S MARRIED, 1878, STATED BY COUP.	FEMALES MALES UNEXOWN.	Males. Females.	Na. For Na. For- tive. eign. tive. eign.	30 c 42 d 8		н	6	19		8 1	1 1	1	8 1	1	7 1 2 1
	ERSONS MARRIED, 1878, STATED BY COUP.	For- UNENOWN. UNENOWN.	males, Males. Females.	tive Na- For Na- For- Males tive eign. tive eign.	943 n 116 b 30 c 42 d 8	1	-	9	_ i	03		1 1 1	1	0 1 0	1 1	-
	IY OF PERSONS MARRIED, 1878, STATED BY COUPLES	For For UNKNOWN. UNENOWN.	males, Males. Females.	Fe- tive Na- For Na- Formales. Males. tive. eign. tive. eign.	n 116 b 30 c 42 d 8		1 1		10	65	00	37 1 1 1	-	14 5 1 3	5 7 1	1 1
		g eign eign. UNENOWN. UNENOWN.	Males, Fe- Ma-males, Males. Females.	For tive Na. For Na. Formales. Males, tive, eign.	1,550 1,647 943 m 116 b 30 c 42 d 8	1	м м	10	10		8 8	41 87 1 1 1	-	40 14 5 1 8	л 5 7 1	26 7 1
	NATIVIT	For For UNKNOWN, UNKNOWN.	Nales, Fe- Nales, Males, Males, Females.	He Hales. Males. Ifve. elgn. tive. elgn.	7,801 1,550 1,647 943 a 116 b 30 c 42 d 8		213 22 25 14	25 10	9 9	61	175 4 24 8	80 84 41 37 1 1 1	1 8 1	335 18 40 14 6 1 3	271 9 17 5 7 1	271 18 26 7 1
	NATIVIT	g eign eign. UNENOWN. UNENOWN.	Males, Fe. Males, Females.	Mann Hoth Fe, tive Na. For Na. For Males. Malos. tive. eign. tive. eign.	1,550 1,647 943 m 116 b 30 c 42 d 8	NO.	1 2 2 1	10 25 10	13 9 5 5	61	4 24 8	84 41 87 1 1 1	16 1 3 1	422 335 18 40 14 5 1 3	9 17 5 7 1	321 271 13 26 7 1
	NATIVIT	E Cor For For Varxown. Unexcount.	Nales, Fe- Nales, Males, Males, Females.	Mann Hoth Fe, tive Na. For Na. For Males. Malos. tive. eign. tive. eign.	7,801 1,550 1,647 943 a 116 b 30 c 42 d 8	NO.	213 22 25 14	10 25 10	13 9 5 5	61	175 4 24 8	80 84 41 37 1 1 1	16 1 3 1	335 18 40 14 6 1 3	271 9 17 5 7 1	271 18 26 7 1

	111				-01			1010		11		11	104		2010	99
- 04	11	11	11	11		11	11		1	11	11	11	1	11		
-11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
-1	11	11	11	11	11	11	11	11	-1	11	11	-	-	11	11	11
-	11	11	11	11	11	11	ol m	01-1	65 11	11	11	11	11	11	11	ON !
C# C#	11	11	-	11	11			11	*!	11	11	-1	101	11	11	04
11	11	-1	11	1	100	11	9	11	01 m	11	- 1	e0	00	11	00 11	10.01
1-	64	11	1	11	IT	11	01.01		10	11	1	11	100 4	11	-01	1000
100		64	11	-	+	11	09.00	11	10	11	11	61-1	04	- 1	611	1000
101	01	1	-	1	614	-	0310	C4	44	11	11	-01	04	11		04
10	60-		11	11	10 00	00	200	-	90	11	-	4-	91-	0.00	-	10
0.0		-	-0	-	20	4	22	ED 04	55.0	11	00	410	16	= 63	01-	21
135	10 01	00-		-1	55.0	201	13	1000	231	-1	- m	20	88	85 xx	0	181
28	00	0.00	01	00.01	19	18	18	99	60 60	11	63.03	138	96	25.52	101	65.00
200	7707				91	-	91	-	33	11	-	60	04	661	21.	25.25
88	94	818	99	10	110	110	120	11	170	60	31	21	173	51	38	159
9 55	15	2.0	7	00	10	1 16	14 113	24.	154	4	29	623	127	61 99	500	23
168.	les	168.	les	les.	les.	les.	les.	les.	les.	les.	les.	les.	les.	les.	les.	les
Males.	Males	Males	Males	Males Females.	Males	Males	Males	Males	Males	Males	Males	Males	Males	Males	Males.	Wales Females
-	-	1	-	-	THE PERSON	1	-	1,	01	1 E	1	-	00	-	01	00
1	1	1	+	1	1	1	1	1	1	1	-	i	1	1	-	4
1	1	1	1	1	!	1	1	1	1	1		1	1	1	1	1
1		-	1		80	1		1					9	. 1	1	04
-	-					1		1						C1		
-		-		-	-	-	*		60		-		10	-	-	9
00	60	10	1	01	8	01	12	4	7	1	4	ka	=	=	15	11
00	01	SO		1	81	0	16	10	11	O1	00	16	11	30	63	43
01	6	15	9	00	9	81	-	-	16	1	9	ю	01	101	46	18
183	2	21	10	6	176	6	233	43	282	-	31	101	328	14	57	309
202	8	40	120	16	228	43	598	13	391	*	25	133	371	159	120	395
	J	1	1	1	-	1		1		1	386			_		
Chass	Charlevolx	Cheboygan	Chippowa	Clare	Clinton	Delta	Eaton	Emmet	Genesce	Gladwin	Gr. Traverse	Gratiot	Hillsdale	Houghton	Huron	Ingham

\* Includes 2 females "America." b Includes 2 females "North America." conples "America." 
TABLE VIII. - Continued. - Marriages by Counties, Nativity, and Periods of Age.

1 1		UMO.	Unkn		11	F	11	1	09.09			11	11	0101	11
878.	.19	AO P	па 08	-	11	11	11		11	11	111	11	11	11	
из, 18	75	to	80.		11	11	11	-	-	11	01-4	11	11	-	
YEA	20	to	75.	00 }	11	11	11	11	1,1	11	00 ;	11	11	00 :	
30 SC	99	20	70.	11	-1	-	11	63	00-	11	20	11	11	01	1
ERIOI	60	20	65.	-	11	11	11	01	@ 63	11	10 10	-	11	i ot	1
IN P	120	2	60.	61 11	11	61	11	00 ;	20-	11	00.10	11	11	401	1
ATED	20	to	55.	401	11		11	00 00	60 61	-	96	-	11	011	-
S, ST.	45	5	20.	61 10	C4	11	11	00 00	60 01	11	14 9	- 03	11	1	-
AGE	9	2	45,	10	1	-	11	00 10	118	00	52 0		-	94	-
RENT	55	\$	40.	16	00.4		11	26 13	13	011	99	11	631	16	
Marriages at Different Ages, Stated in Periods of Years, 1878.	30	to	35.	20	30	403		18	30	100	718	-	60	90	
GES AT	13	to	30.	928	55.4	18		105	44	Es	156	ϭ	604	19	964
TARRIA	03	to	25.	131	16	27	11	146	122	10	235	101	60.60	112	15
•	Up-	der	20.	115	15	64 63	11	119	es 88	14	201	6	-8	10	11
	SEX	STATED.		Males	Males	Males	Males	Males	Males	Males	Males	Males	Males.	Males	Males
LES.	-II.MOI	-	Both	-	-	63	-	T	01	-	00	-	1	1	1
r Cour	UES OWN.	ales.	For-				-		-		-			6.1	-
TED B	MALES UNKNOWN	Females.	Na- tive.			-			-		*			-	
78, STA	LES OWN.	es.	For- efgn.					-	60		1	1	1	-	
ILED, 18	FRMALES UNKNOWN	Males.	Na- tive.			1		69	13		9	1	-	1	
S MARI	For-	re- males,	tive Males.	81	25	01		0.5	13	9	4	-	1	24	Ca
PERSON	For-	Nales,		38	*	1	1	31	75	10	88	1	-	43	10
TY OF PERSONS MARRIED, 1878, STATED BY COUPLES			Both	6	10	4	-		75	64	78	13	-	155 155	10
NATIVI	ίνε.	JaN	Both	208	19	4		865	993	16	344	*	H	125	15
-	Couple 878,	er of	Marr	276	46	99	1	358	305	30	679	98	16	220	27
		COUNTIES	0	Ionia	Iosco	Isabella	Isle Royal	Jackson	Kalamazoo	Kalkaska	Kent	Keweenaw.	Lake	Lapeer	Leelanaw

	-	IAL				-	OM	LILL	,		-	,	,,,,	IND	Au		
	1	11		11	0101		F	11	11	11	11	01	-1		11	49	1
TI	-1	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	
	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	
69	11	11	-	11	11	11	11	11	11	-	11	00	11	11	11	11	
-01	11	11	11	11	11	11	11	11	11		11	60 64		-1	-1	00	
00 1	61-	11	01 H	11	11	11	11	11	H	C4	11	E0 03	-	-	101	00	
60	*	11	11	11	-	1-	11	C4 PM	11		11	1000	нн	04	00 :	1011	1
40	69	11	C4	- 1	-	64	69	04 00	11		11	00	C1	**	11	204	
==	60 60	11	104	00-	11	2014	10 00	01	11	-1	11	1-10	00 77	94	69-	47	П
00	0 :	11	<b>60</b> 4	9 -		-	1010	01-	11	-	1-	00	1-4	04 00	-!	0.0	
22	40	4	62	400	11	-10	9 !	104	01 04	01 01	-	821	22	100	404	100	1
1381	98	+	200	90	-	14.	10	55	9	00-4	11	103	111	131	1-00	13	h
56	15	-4	698	90	-	39	171	36	84	13		228	22	181	61	34	ı
152	97	99	95	8183	10.4	38	18	250	13	122	00	121	88	22	88	113	ı
144	9.74	IF	88 a	198	100	83.53	81	10	16	25	-4	100	117	123	800	94	
19	18	1 89	1 00	1 0	1 00	: 8	1 10	i wi	1 00	100	1 8		1 16	1 10	: 0	18	n
Males Females.	Males	Males	Males. Females.	Males	Males	Males	Males	Males	Males	Males	Males	Males	Males	Males	Males	Males.	
0	-	1	-		-	1	-	1	1	1	1	1	ot	-	1	00	
T	1	1	1	1	1	1	1	-	1	0 1	1	1	1	-		-	
+	1	1	1	1	1	Ť	-	i	i	1	1	1	-	1	1	09	
1	1	-	1	1	1	-		1	1	_	-	1		1	1		100
1				1		-	-		1		-		-			-	1 4000
9	00		-	-			60		1	1	1	10	64	69		74	h. I Mala !! Amarian
13	=	1	35	1	-	9	*	83	09	10	1	18	15	14	9	19	LI W
31	13	7	45	6	69	15	=	=	6	=		80	88	23	138	30	4
=	*	-	35	27	7	20	13	18	==	4	Ī	16	12	22	7	13	danta at
339	101	16	119	150	00	16	88	48	65	80	00	958	158	69	533	230	0000
408	135	55	233	75	Ħ	96	11	103	99	24	9	305	233	161	76	301	o from
_	_	1		1	:	-	:	-	1	1	1			_			
Lonawoo	Livingston	Mackinso	Macomb	Manistee	Manitou	Marquette	Mason	Mecosta	Menominee.	Midland	Missaukee	Monroe	Montcalm	Muskegon	Newaygo	Oakland	A No motor and factor of a

" No returns from county clerk. b I Male "America,"

TABLE VIII. CONTINUED. - Marriages by Counties, Nativity, and Periods of Age.

1		TAMOT	при	11	11	11		11	-00	11	11	01	11	11	11	11
8	-		18 08	ii	T	ii	11	ii	11	ii	ii	11	11	11	ii	ii
, 187	- 92	9	80.	11	ii	11	ii	11	-1	11	11	11	11	11	11	11
EARS	-	-		11	11	11	11	11		11	11	- 1	11	11	-1	11
Y WO	- 70	3	120.	11	11	11		11	01 1	11	11	11	11	11	11	11
ODS	- 65	to	70.		11	11	-!	11		11	11	- 11	11	11	11	11
PRRI	89	5	65.	H	11	11	11	- 1	44	11	11	1		11	007	60
NI O	100	to	.09	-1	11	11	11	11	411	11	11	27	CI !	11	1	00.01
ATE	80	2	55.		11		61	11	00 04	11	11	00 04	-03	11	10 04	0014
19, ST	3	to	.00	-	11	11	11		1010	11	11	1-01	01-0	11	9	***
AGE	40	to	45.	. 201	11	-	61 61	11	10	11	11	96	0	11	9	-10
RENT	33	20	40.	60 60	11	11	10 00	0111	00 00	-	-	82	5100	H01	99	30
DIFFE	30	to	35.	60 04	C1 .	-	600	04 03	90	+		125	17	61	51.00	80
GES AT	52	to	30.	72	11	9	26		88	64		==	48	411	47	288
Marriages at Different Ages, Stated in Periods of Years, 1878.	05	to	25.	27	1	1010	888	1	28	611	00	148	567	63 60	69	119
	Un-	der	20.	46		9	*#	00	81	1	1	150	1 66	180	92	104
	SEX	STATED.		Males Females.	Males	Males	Males	Males	Males	Males	Males	Males	Males	Males Females.	Males	Males
M8.	.nwon.	Unk	Both	1	-	1	1	1	0 0	1	1	1	1	1	01	01
Сопр	ES DWK.	les.	For- eign.		-	1	1		1	T	T	1	-	-	-	i
TED BY	MALES UNENOWN	Females.	Na- tive.			1	-		-		1	1				01
OF PERSONS MARRIED, 1878, STATED BY COUPLES.	LES OWN.	cs.	For- eign.			-	1	1		-	1		1	-	-	61
HED, 18	FEMALES UNKNOWN,	Males,	Na- tive.		-		1	-	01	1		-			-	-
8 MARE	For-	males,	tive Males.	10	1		13	**	11	1	-	47	18	-	S	4
PERSON	For-	Males, Na-	Fe- males.	25	-	O1	9	1	45	1	1	83	43	60	17	75
H	.ngie	FOF	Both	7	1		13	1	40	*	-	84	19	-	15	76
NATIVIT	Me.	Nati	Both	57		1	4	61	109	1	01	157	24	*	121	98
69	Coupl 1878.	tpap (pap	Namb	81	60	10	75	-	216	*	00	871	152	0	165	299
	1	COUNTIES	1	Oceana	Ogemaw	Ontonagon	Osceola	Otsego	Ottawa	Presque I	Roscommon.	Saginaw	Sanilac	Schooleraft.	Shiawassee.	St. Olalr

St. Joseph 314 258	314	893	13	88	80	es .	1	1	1		Males	130	133	878	17	54	04	ciro.	8	01-1	97		Ħ	ii	11	64 64
Tuscola 180	8	22	50	47	88		1			1	Males	es 28	53	25	S.a	7	10.01	80 <del>4</del>	00-	***	0101	01	11	-	ii	11
Van Buron 968	8	នី	1	19	13	0+	_	-			Males	97	H	23	9	7	1-10	104	F- 69	01-4	1001	01	-1	ii	11	-
Washtenaw 206	8	185	18	4	16	64	-		-	60	Males	10 88	130	88	83	55 as	-	60 60	104		10-	60	ii	ii	11	410
Wayne 1,049 412	30,1	61	200	195	130	. 18	9	d 11	61		Males	825	387 459	80 158	142	<b>#8</b>	22.	88	91	00 t-	001		-	Tİ	-	46
Wexford 46	\$	18	10	80	61					1	Males	30	21	54	91	61		11 11	11		111	11	ii	ii	11	11
al female "North America	North	100	ion "	1	pulou	0 0 0	oluno	Trefudes 9 courses "America"	onics .		• Includes 2 females "America."	2 ferni	les "	Americ	" "	- 9	I ma	d 1 male "America."	merie	- 3	-	- 1	- 1	Tucindes 1 Counte	- 3	

EXHIBIT 2.—Number of Persons Returned as having been Married in Michigan in 1878, by Sex, and Excess of the Sexes, by Age in Years.

13 14 15 16 17	Total.  24,442  4 35 122	Males.	Fe- males. 12,221	Males.	Fe- males.	Ages in Years.	Total.	Males.	Fe- males.	Males.	Fe-
13 14 15 16	4 35	12,221	12,221						maies.		male
14 15 16	35		_			48	72	43	29	14	
14 15 16	35			-	_	49	64	39	25	14	
15 16			4		4	50	86	51	35	16	
16	122		35		35	51	44	29	15	14	
			122		122	52	57	40	17	23	
17	712	1	711		710	53	48	29	19	10	
-	987	9	978		969	54	52	87	15	22	*****
18	1,523	91	1,432		1,341	55	44	33	11	22	
19	1,571	248	1,323		1,075	56	46	26	20	6	
20	1,942	556	1,386		830	57	28	17	11	6	
21	2,173	1,112	1,061	51		58	49	33	16	17	
22	2,051	1,108	943	165		59	19	11	8	3	
23	1,805	1,123	682	441		60	37	27	10	17	
24	1,681	1,147	534	613		61	29	26	3	28	
25	1,326	921	405	516		62	34	26	8	18	
26	1,191	848	343	505		63	28	18	10	8	
27	961	719	242	477		64	26	19	7	12	
28	928	694	234	460		65	28	24	4	20	
29	600	431	169	262	******	66	15	12	3	9	
30	575	392	183	209		67	18	11	7	4	
31	373	266	107	159		68	21	17	4	13	
32	349	244	105	139		69	8	7	1	6	
33	305	213	92	121		70	18	16	2	14	
34	277	186	91	95		71	7	7		7	
35	308	196	112	84		72	7	6	1	5	
36	209	139	70	69		73	3	2	1	1	
37	219	143	76	87		74	6	5	1	4	
38	224	155	69	86		75	3	3		3	
39	124	82	42	40		76	4	3	1	2	
40	178	109	70	38		77	5	4	1	3	
41	99	66	33	33		78	2	2		2	
42	131	68	43	45		79	1	1		1	
43	94	57	37	20		84	1	1		1	
44	90	55	35	20		86	1	1		1	
45	101	66	35	31		89	1	1		1	
46	70	43	27	16		Unk.	130	51	79		28
47	62	36	26	10			-	20			-

Table IX. shows, by county, by sex, the number of persons returned as having been married in Michigan in 1878 under the age of twenty-one years. More males and more females were returned as having been married under 21 years of age in 1878 than in any previous year, and more persons were married under the lawful age in 1878 than in any previous year. The legal marriageable age in this State is 18 years for males and 16 years for females; and in 1878 there were 10 males and 161 females returned as having been married under the legal age.

TABLE IX.—Exhibiting, for the State and Counties, the Total Number, and Number of each Sex under 21 years of Age; and the Number of each Sex at each Age under that of 21 years, Returned as having been Married in Michigan during the year ending December 31, 1878.

STATE	UND	ONS MA	EARS	Ve	ES OF	MAI	LES, 1	878.		AG	ES OF	FEMA	LES,	1878.		
COUNTIES.		Males.	Fe-	wenty.	Nineteen.	Eighteen.	Seventeen,	Sixteen.*	Twenty.	Nineteen,	Eighteen.	Seventeen.	Sixteen.	Fifteen.s	Fourteen.a	Thirteen.*
- Control of			males.	Tw	Nta	Elg	Sev	Six	Tw	NH	Etg	Ser	Six	FIE	For	TP
STATE	6,894	904	5,990	556	247	91	9	1	1,385	1,321	1,434	978	711	122	35	4
Alcona	6	1	5	1						2	2			1		
Allegan	153	17	136	12	4	1			35	28	26	18	25	4		
Alpena	26	1	25	1					4	6	9	-4	2			
Antrim	21	2	19	1		1			2	5	1	5	6			
Baraga	8	1	7	1	****				***	2	3	1		1		
Barry	131	18	113	10	7	1			19	31	24	15	22	2		
Bay	126	9	117	7	1	1			15	28	28	26	19	1		
Benzie	10	1	9	1						6			3			
Berrien	228	40	188	30	6	3	1		45	44	36	31	22	6	3	1
Branch	207	26	181	16	7	3			35	36	46	45	18	1	****	
Calhoun	154	23	131	15	4	4			39	31	31	17	13			
Cass	116	15	101	9	6		****		19	24	24	20	10	4		
Charlevolx	16		16					****	1	4	6	3	2			
Cheboygan	23	2	21	****	2	****			7	3	4	4	3	****		
Chippewa	4		4								4					
Clare	11		11						3	*****	3	2	2		1	
Clinton	139	19	120	9	6	4			29	28	31	15	16	1	****	
Delta	23	3	20	2		1			4	4	3	4	4	1		
Eaton	180	.30	150	16	10	4			87	27	30	28	23	2	3	
Emmet	40	5	35	2	1	1	1		11	4	4	6	7	2	1	
Genesee	258	44	214	29	10	4	1		60	48	49	24	24	6	2	1
Gladwin	4		4							1	1		1	1		****
Grand Traverse.	36	8	33	2	1				4	4	11	7	7		****	
Gratiot	96	15	81	7	5	3			19	14	16	18	10	4		

a Not legal marriages. For law and penalty to persons solemnizing, see sections (4719), (4720), (4728), and (4729), Compiled Laws of 1871, pages 1462 and 1463.

TABLE IX.—CONTINUED.—Persons Married under 21 Years of Age.

1	UND	ONS MA	EARS	AG	ES OF	MAI	E8, 1	878.		Ac	ES OF	FRM	ALES	, 1878	3,	
COUNTIES.	OF	Males.	Fe- males.	Twenty.	Nineteen.	Elghteen.	Seventeen.*	Sixteen.a	Twenty.	Ninetcen.	Eighteen.	Seventeen.	Sixteen.	Fifteen.a	Fourteen.	Thirteen
Hillsdale	199	36	163	24	8	3	1		36	40	39	33	15			
Houghton	90	9	81	7	2				25	10	22	10	8	6		
Huron	85	13	72	8	3	2			13	7	21	19	11	1		
Ingham	210	32	178	19	8	5			87	32	55	27	20	2	5	
Ionia	173	21	152	14	5	2			37	36	36	22	20	1		
Iosco	25	2	23	1		1			8	2	3	6	4	****		
Isabella	39	4	35	2	1	1			3	10	8	6	4	4		
Isle Royalb																
Jackson	193	29	164	21	6	2			45	36	39	23	20	1		
Kalamazoo	183	18	115	15	2	1			27	31	33	9	13	1	1	
Kalkaska	19		19						5	3	5	4	2			
Kent	291	31	260	19	7	4	1		59	64	51	52	80	2	2	-
Keweenaw	12	1	11	1					2		4	4	1			
Lake	14	2	12	1	1				4	2	2	3		1		
Lapeer	145	23	122	13	8	2			27	25	25	27	14	4		
Leelanaw	22	4	18	3	1				1	3	3	3	4	4		
Lenawee	231	41	190	23	11	6		1	46	43	56	80	12	2	1	
Livingston	67	7	60	5	1	1			13	12	14	15	6			
Mackinac	12		12						1	4	5		1	1		
Macomb	132	16	116	10	6				28	29	32	13	12	2		
Manistee	45	1	44	1					8	11	9	10	6			***
Manitou	4		4						1		1	2				
Marquette	53	4	49	2	2				14	10	13	9	2			1
Mason	39	4	35	4					4	8	10	7	4	2		
Mecosta	65	2	63	1	1				14	17	13	12	4	2	1	
Menominee	21	1	20		1				4	3	6	3	2	1	1	
Midland	29	2	27	1		1			2	5	9	4	6	1		
Missaukee	6	2	4	1	1					1	2		1			
Monroe	164	27	137	13	12	2			32	86	32	22	15			
Montcalm	170	32	138	15	12	5			21	17	34	27	30	6	2	1
Muskegon	71	3	68	3					13	10	28	7	7	3		
Newaygo	51	- 6	45	4	2				5	8	11	9	10	2		
Oakland	155	24	131	14	10				37	40	33	9	11	1		
Oceana	61	8	53	5	3				7	7	13	11	11	3	1	

Not legal marriages. For law and penalty to persons solemnizing, see sections (4719), (4720), (4728), and (4729), Compiled Laws of 1871, pages 1462 and 1463.
 No returns of marriages from county clerk.

## TABLE IX.—CONTINUED.—Persons Married under 21 Years of Age.

*		ONS MA		Ag	ES OF	MAI	Es, 1	878.		Agr	s of I	FEMA	LES	1878.		
COUNTIES.	OF	AGE, 18	878.	1	en.	in in	sen.a	4		in.	n.	een.	,	9	en.a	n.a
	Total.	Males.	Fe- males.	Twenty.	Nineteen.	Elghteen.	Seventeen	Sixteen.a	Twenty.	Nineteen.	Eighteen.	Seventeen	Sixteen.	Fifteen.a	Fourteens	Thirteen.a
Ogemaw	4	1	3		1				1	2						
Ontonagon	7		7						2	2	*****	3		****		
Osceola	46	7	39	3	4		4		5	9	5	5	12	2	1	
Otsego	3		3								1	1	1			
Ottawa	128	19	109	10	5	2	2		28	28	23	15	12	3		
Presque Isle	2		2						1			1		****		
Roscommon	1		1							1						
Saginaw	202	20	182	10	5	4	1		32	39	47	34	25	5		****
Sanilac	94	6	88	5	1				22	22	20	8	11	3	2	
Schoolcraft	4		4				****		1			1	1		1	
Shiawassee	112	18	94	9	7	2			19	17	24	21	10	3		
St. Clair	169	20	149	14	4	2	****		45	33	33	22	12	4		
St. Joseph	186	32	154	18	9	4	1		34	32	44	27	14	2	1	
Tuscola	130	11	119	8	3				21	22	27	25	19	3	2	
Van Buren	160	25	135	16	6	3			38	22	34	23	10	5	3	
Washtenaw	112	12	100	7	2	3			32	32	19	10	7			
Wayne	452	47	405	29	16	2			133	112	94	44	22			
Wexford	40	6	34	6					4	6	4	7	10	2	1	

Not legal marriages. For law and penalty to persons solemnizing, see sections (4719), (4720), (4728), and (4729), Compiled Laws of 1871, pages 1462 and 1463.

## MANNER OF UNION BY AGES.

Table X. shows the number and per cent. of persons married in 1878 at each period of age, and the ages (in periods) of the persons whom the persons of the opposite sex at each period of age married. For example, of the 349 males who were married under 20 years of age, 264 married females under 20 years of age, 82 married females aged 20 to 25 years, 1 aged 25 to 30 years, and 2 aged 35 to 40 years; and in the same manner the number of males at each period of age is read. Of the 4,605 females who were married under the age of 20 years, 264 married males under 20 years of age, 2,690 married males aged 20 to 25 years, 1,247 married males aged 25 to 30 years, 267 aged 30 to 35 years, 97 aged 35 to 40 years, 20 aged 40 to 45 years, 7 aged 45 to 50 years, 7 aged 50 to 55 years, 1 aged 55 to 60 years, 2 aged 70 to 75 years, and 3 of unknown age; and thus may be read the number of females married at each period of age.

TABLE X.—Exhibiting the Number of each Sex at each Period of Age who were married in Michigan during the Year 1878; the Number of each Sex at each Period of Age who were united to the opposite Sex at each Period of Age; and the Per Cent. of Brides and of Bridegrooms at each Period of Age to Total at All Ages.

AGES OF					Agi	ES OF	FEM	ALES	, 187	8.						ales,	t. of ne.
MALES, 1878,	Un- der 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40,	40 to 45.	45 to 50,	50 to 55,	55 to 60,	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unk'n.	Total Males,	Grooms at
Under 20	264	82	1	2												349	2,86
20 to 25	2,690	2,097	199	31	8	2			1						18	5,046	41.29
25 to 30	1,247	1,670	544	109	29	5		1							8	3,613	29.56
30 to 35	267	474	313	158	64	16	4	1							4	1,301	10.65
35 to 40	97	180	182	122	81	33	11	6			1				2	715	5,85
40 to 45	20	58	96	66	78	43	12	4	1						1	374	3.06
45 to 50	7	26	25	44	48	32	29	11	4		1					227	1.86
50 to 55	7	4	17	23	32	41	30	20	9	2	1					186	1.59
55 to 60	1	9	6	10	17	17	28	16	12	2	1				1	120	.98
60 to 65		3	7	8	11	19	16	18	17	13	3				1	116	.93
65 to 70			1	4	4	5	5	17	12	11	10	1	1			71	.58
70 to 75	2	******	1	1	1	4	4	6	6	6	1	4				36	,29
75 to 80						1	2	1	4	3	1		1			13	.11
80 and over.					1		1			1						3	.02
Unknown	3	3	1												44	51	.42
Total Females.	4,605	4,606	1,393	578	369	218	142	101	66	38	19	5	2		79	12,221	
Per Ct. of Brides at	37.68	37.69	11.40	4.73	3.02	1.78	1.16	.83	.54	.31	.15	:04	.02		.65		100.00

# GREAT DIFFERENCES IN AGES OF PERSONS MARRIED.

Among those cases in which the bridegroom was the older, the greatest disparity appears for Saginaw county, in which case the disparity was 55 years, the age of the bridegroom being 74 years, and that of the bride being 19 years; and among those cases where the bride was the older, the greatest disparity appears for Huron county, in which case the disparity was 33 years, the age of the bridegroom being 23 years, and that of the bride 55 years. Table XI, shows great disparity of ages between persons united in marriage in this State in 1878, as stated in the returns.

TABLE XI.—Marriages with Great Disparity of Ages of Persons Married, in Michigan during the Fear ending December 31, 1878.

	é	Вигреспоом Осревт,-1878.	DEST,-1878.				BRIDE OLDEST,-1878.	EST,-1878.		
COUNTIES.	Occupation	Вівтні	BIRTHFLACE.	Ac	AGE.	Осстратток	Вінти	BIRTHPLACE.	Ac	AGE.
	or Bridgenoom.	Bridegroom.	Bride.	Bride- groom,	Bride.	or Bridgehoom,	Bridegroom.	Bride.	Bride- groom.	Bride.
Allegan. Farmer.	_	England Ohio	Ohio	19	33	Farmer	New York	New York New York	17	65
AlpenaLand Agent		New York Ontario	Ontario	7	18	***************************************				
Antrim		***************************************		-	-	Farmer	Scotland	N. Brunswick.	35	48
BarryFarmer		Connecticut	Ohio	62	32	Farmer	England	England New York	330	25
Bay	Tailor	Germany	Germany	53	88	***************************************	***************************************			
Benzie.	Farmer	New York	New York	555	16					
Berrien	Farmer	New York	Indiana	41	14	Teacher	Ohlo	New York	83	43
Branch	Mason	Pennsylvania Ohlo	Ohlo	41	11	Farmer	Ohio	. Indiana	27	40
Calboun	Farmer	England	Michigan	20	18	Carpenter	Ohio	Michigan	23	31
C#88	Farmer	Virginia	N. Carolina	11 4	a 55	Farmer	Tennessee New York	New York	200	99
OparlevolxFarmer	Farmer	Vermont	Michigan	42	17					
Openoygan	Laborer	Canada	Michigan	53	19		***************************************			
GIATE				********	-	Farmer New York Michigan	New York	Michigan	19	63

. "African" and Indian.

TABLE XI.—Continued.—Marriages with great Disparity of Ages.

		BRIDEGROOM OLDEST,-1878	LDEST,-1878.				BRIDE OLI	BRIDE OLDEST,-1878.		
COUNTIES.	OCCUPATION	Вики	BIRTHPLACE.	AGE.	1	Occupation	Викти	BIRTHPLACE.	AG	A6E.
1111	OF BRIDEGROOM,	Bridegroom,	Bride.	Bride- groom.	Bride.	OF BRIDEGROOM.	Bridegroom.	Bride.	Bride- groom.	Bride.
Clinton	Blacksmith	Germany	New York	32	16			***************************************		
- Delta	Laborer	New York	Illinois	67	18		***************************************	***************************************	***************************************	*******
Eaton	Farmer	Massachusetts	Scotland	63	88	Farmer	Vermont	Pennsylvania.	33	48
Emmet	Farmer	Oh10	Indiana	26	38	Lumberman	Canada	Michigan	65	39
Genesee	Farmer	New York	Canada	27	88	Farmer	Michigan	Michigan	98	38
Gratiot	Laborer	Pennsylvania	Pennsylvania	92	48	***************************************	***************************************	***************************************		-
Hillsdale	Farmer	Vermont	Canada	61	26	Farmer	New York	New York	23	33
Houghton	Miner	Sweden	Finland	37	17	Laborer	Sweden	Finland	27	9
Huron	Farmer	Ireland	Pennsylvania	52	18	Farmer	Canada	New York	55	56
Ingham	Agriculturist	New York	Michigan	28	81	Farmer	Connecticut Obio	Obio	24	37
Ionia	Mechanic	New Jersey	Canada	88	67	Farmer	Vermont	New York	34	48
I08co	Farmer	New York	New York	29	40	***************************************	***************************************	***************************************	***************************************	***************************************
Isabella	Farmer	Ireland	Michigan	55	555				***************************************	-
Jackson	Farmer	. Massachusetts	Pennsylvania	89	27	Farmer	New York	New York	53	155
Kalamazoo	Farmer	N. Carolina	Indiana	09 w	a 26	Farmer	Ontario	Ohio	15 4	09 9
Kalkaska	Carpenter	New York	Michigan	19	83		***************************************	***************************************	-	-
Kent	Farmer	New York	Canada	02	16	Farmer	New York	New York	37	69
Lake	Laborer	New York	Michigan	35	17				***************************************	-
Lapeer	Farmer	New Jersey	Michigan	02	8	***************************************	***************************************	***************************************		***************************************
Leelanaw	Farmer	Pennsylvania	New York	20	88	***************************************	***************************************	***************************************	***************************************	**********
Lenawee	Farmer	New York	New York	63	23	Lumberman	Ohio	New York	88	20
Livingston	Mechanic	Massachusetts	Michigan	86	38	Farmer	Ohlo	New York	38	69

	Macomb	Farmer	Ireland	Michigan	1 00	26		***************************************		-	
	Marquette	***************************************					Miner	Sweden	Sweden	83	18
	Mason	Farmer	Michigan	Michigan	43	15	***************************************	***************************************		-	
	Mecosta	Farmer	New York	Indiana	45	13					***************************************
13	Midland	Physician	Rhode Island Germany	Germany	63	200	Farmer	New York	New York	23	84 80
3—	Monroo	Farmer	Ireland	Michigan	20	80	Farmer	Michigan	Michigan	88	889
18	Montcalm	Mill-man	Ohio	Ohio	97	17	Farmer	Denmark	New York	b 21	21 BO Q
78.	Muskegon	Atty. at Law	Scotland	Michigan	45	18	Laborer	Michigan	New York	500	8
	-	Bee Keeper	New York	Canada	46	30	Farmer	Michigan	Michigan	21	31
1	Oakland	Farmer	New York	Ohio	33	40	Farmer	England	Michigan	28	37
	Oceann	Merchant	Ohio	Michigan	47	63				-	
	Osceola	Farmer	New York	New York	54	14	Lumberman	Pennsylvania, New York	New York	23	34
1000	Otsego	Farmer	New York	Canada	09	650					
	Ottawa	Farmer	Notherlands	Michigan	20	61	Miller	Michigan	Ohio	61	32
		( Stone Mason	Michigan	London	7.4	10				-	***************************************
	Saginaw	Teacher	Germany	Germany	19	96				-	
	Sanilac	Farmer	Ontario	Ontario	40	50	***************************************				
	Shlawassee	Butcher	Michigan	Michigan	19	16	Butcher	Germany	Germany	19	30
2	St. Clair	Farmer	Canada	Michigan	68	52	Teamster	Michigan	Ontario	26	33
-	St. Joseph	Retired Life	New York	Indiana	09	c 93					
	Tuscola	Farmer	Germany	Germany	29	31	Farmer	Ireland	Maine	83	330
	Van Buren	Carpenter	Connecticut	Michigan	20	18			***************************************	-	***************************************
	Washtenaw	Farmer	England	Illinois	53	19	Farmer	Canada	Michigan	23	35
	Wayne	- Farmer	Massachusetts Ohlo	Ohio	19	60	Painter	Germany	Germany	33	19
				-							1

b Color unknown, Black.

e Mulatto,

1876, 1877, and 1878, as first Returned to the State Department; the Number Returned since first compilation for the Years 1875, 1876, and 1877; for the Years 1872–1877 the Number Returned previous to December 20, 1879; the Population, 1874; Number of Inhabitants in 1874 to 1 Marriage in 1878, and the Per Cent. of Marriages in 1878 to Population in 1874. LABLE XII.—Exhibiting, for the State and Counties, the Number of Marriages in Michigan during the Years 1875,

						MAI	MABRIAGES.	, m							Number	Per
STATE	1872.	1873.	1874.		1875.			1876.			1877.		1878.	Popula- tion, 1874,	Inl	Cent. of
AND COUNTIES.	Number Re- turned previ- ous to Dec. 20, 1879.	Number Re- turned previ. ous to Dec. 20, 1879.	Number Re- turned previ- ous to Dec. 20, 1879.	Number as first Re- turned and Com- plied.	Number Re- turned since first Compi- lation.	Number Re- turned prevt. ous to Dec. 20, 1879.	Number as first Re- turne d and Com- piled.	Number Number Re- hrst Re- turned turned turned since previ- and first ows to Compl. Dec. 20, piled. lation. 1879.	Number Re- turned previ. ous to Dec. 20, 1879.	Number as first Re- turned and Com- piled.	Number Number Re- furned since and Compi- plied. lation.	Number Re- turned previ. ous to Dec. 20, 1879.	Number Re- turned.	Repre- sented by Marriages in 1878.	-	riages in 1878 to Popu- lation fu 1874.
STATE	10,767	11,897	12,247	11,055	743	11,798	10,858	945	11,803	11,609	979	11,655	12,221	1,334,027	100	.93
Jeona	90	7	10	13		13	10	1	9	6	-	6	9	1,214	202	64.
llegan	251	256	878	298	-	208	306		306	266	-	273	275	32,381	118	.85
Alpena	58	42	69	36	11	47	41	1	42	45	04	44	24	4,807	89	1.12
Antrim	20	42	30	13		13	¥6	1	53	23	-	23	60	8,002	76	1.07
Baraga	-			0	***************************************	0	11		11	1		7	7			
Barry	156	187	179	173	15	187	193	15	202	910	GI	912	913	22,051	101	96.
Bay	176	156	213	196	9	202	174	13	187	150	50	170	216	21,832	101	66*
Benzie	14	10	17	34	*********	200	650		500	61		81	15	2,663	127	67.
Berrien	420	434	426	388	OI.	200	171	14	485	356	10	998	422	35,029	88	1.20
Branch	259	235	309	301	01	303	281		281	273	60	926	310	25,726	83	1.21
Calhoun	358	596	355	848	9	318	196	18	282	583	0	201	321	35,655	111	06.
Cass	211	950	213	180	10	195	203	13	915	175	1	176	202	20,525	102	88'
Charlevoix	19	17	23	21		21	25		25	150		21	8	2,360	81	1.23
Cheboygan	7	22	23	16		16	23		63	45	-	45	40	3,070	77	1.30

Chippews	~	2	•	21	- :	13	9	-	==	컮	Ī	33	EI.	9,170	181	ş
Clare	80	22	•	2		19	2	:	-	22		18	91	1,854	88	1.18
Clinton	164	707	308	196	**	88	190	4	203	178	1	187	878	23,661	ğ	8.
Delta	45	27	23	8		81	27		27	3		\$	43	4,741	110	.91
Eaton	076	212	283	217	72	271	83	15	274	287	io.	283	588	26,907	101	8.
Emmet	<b>Э</b>	10	ន	13	-	#	2	-	83	98	•	8	52	1,272	ន	4.32
Geneseo	883	814	316	331	==	25	830	75	33.	88	6	88	831	34,568	28	1.13
Gladwin				69		01				4		*	*	265	8	1.61
Grand Traverse	83	32	9	3	- 1	8	19	61	8	7	•	3	23	6,349	103	76.
Gratiot	8	140	101	1#1	-	143	88	19	112	126	C1	85	133	13,886	107	96.
Hillsdale	364	340	430	370	71	<b>7</b> 8	353	7.	372	8	83	83	371	31,566	83	1.18
Houghton	108	191	138	115	ដ	130	136	13	151	8	61	185	159	• 19,030	120	¥.
Huron	87	8	25	111	-	112	83		139	92		100	120	11,964	901	1.00
Ingham	233	883	283	300	ş	337	95	13	282	287	क्ष	300	393	29,193	7.	1.35
Ionia	808	306	278	133	8	272	263	90	276	527	80	563	276	28,376	103	.97
Io8co	9	87	8	23		81	17	-	17	8	-	<b>Q</b>	46	4,575	66	1.01
Isabella	77	88	8	51	-	23	53	83	8	6		40	92	6,059	2	.93
Isle Royalb		:			-									د		
Jackson	313	321	878	327	ß	33.6	330	₹	798	302	ေ	338	358	37,988	106	76.
Kalamazoo	348	807	319	303	G	312	98	18	592	518	ю	33.	300	32,284	107	<b>7</b> 6.
Kalkaska	10	4	6	-		t~	=		=	22		16	8	1,260	<b>5</b>	2.38
Kent	929	909	633	634	21	93	181	133	019	517	27	241	673	62,671	108	<b>78</b> .
Кемовпаж	21	26	23	8	-	83	Ç		<b>\$</b>	श	61	27	95	5,411	203	Ş.
Lake	80	=	*	#		#	2	61	2	23		13	18	1,813	113	88.
Lapeer	162	190	188	193	C1	195	195	61	197	161	61	193	613	25,140	110	.91
Leolanaw	31	#	97	83		83	æ		S	46		97	27	5,031	188	Σ,

Population of Baraga county is included in statement of population of Houghton county and cannot be ascertained.
 No returns of Marriages from county clerk for 1873.

TABLE XII. -Continued .- Marriages Corrected by Counties.

						MAR	ARRIAGRS.	18.							Number	Per
	1872.	1873.	1874.		1875.			1876.			1877.		1878.	Popula- tion, 1874,	of Inhabit-	Cent. of Mar.
COUNTIES.	Number Re- turned previl- ous to Dec. 20, 1879.	Number Re- turned previ- ous to Dec. 20, 1879.	Number Re- turned previl- ous to Dec. 20, 1879.		Number Number as Re- first Re- turned turned fince and Compl- piled. Intion.	Number Re- turned previ- ous to Dec. 20, 1879,		Number Number as Re. He. turned turned first Com. Comple piled.	Number Re- turned previ- ous to Dec. 20, 1879.	Number Number as Re- first Re- turned since and Com- piled. lation.	Number Re- turned since first Compf- lation.	Number Re- turned previ- ous to Dec. 20, 1879.	Number Re- turned.	Represented by Marriages in 1878.	ants in 1874 to one Mar- riage in 1878,	riages in 1878 to Popu- lation in 1874.
Lenawee	503	515	491	440	42	482	389	37	426	401	18	419	408	46,084	113	
Livingston	160	134	153	153	4	157	140	10	145	156	1	157	135	20,329	151	
Mackinac	14	00	38	11	64	13	11	-	11	17	-	17	22	1,496	09	
Macomb	158	217	253	192	16	208	282	co	235	855		228	233	28,305	121	
Manistee	51	110	69	11		71	76		76	29	1	58	75	8,471	113	
Manitou	60	01	00	***************************************				-	-	9		9	11	657	09	
Marquette	199	284	215	138	C.	140	88	1	106	100		100	90	21,916	929	
Mason	30	44	37	44	90	52	51	64	533	62	-	62	71	5,361	76	
Mecosta	86	95	68	83		88	88	C4	90	88	60	96	102	9,132	00	
Menominee	11	65	19	29	-	83	20	-	29	820		35	100	3,490	100	
Midland	33	90	23	880	1	39	55	-	67	37	4	11	24	4,765	88	
Missaukee	9	4	01	10	-	20	00	-	60	7	-	1	9	909	101	
Monroe	212	249	310	307	1	308	285	98	311	328	4	333	305	30,111	66	
Montcalm	140	171	192	164	38	202	156	97	202	172	41	213	. 233	20,815	S	
Muskegon	168	189	166	143	14	157	162	15	177	138	-	142	161	19,375	120	
Nowaygo	69	38	88	86	-	87	78	-	78	87	0	93	92	8,738	115	
Oakland	300	256	299	310	20	318	325	11	336	314	6	323	201	38,032	127	
Oceana	19	63	79	69		69	89	*********	68	75	*******	75	18	8,360	103	_

Ogema w				<u> </u>			•		•	91		~		200	8	1.45
Ontonagon	13	81	16	9	61	=	23		18	13		55	90	801'6	178	<b>57</b>
Osceola	41	29	<b>\$</b>	8	61	87	7	•	25	11	24	٤	22	6,216	88	1.21
Otsego				*		7	23		18	-	*	10	-	238	38	7.94
Ottawa	101	345	240	237	80	240	ä	-	289	241		241	216	826'03	130	£.
Presque Islo	٥	۲	2		**	*0	10		10		-		7	1,615	707	શ
Roscommon				*	·	•		-		64		64	89	276	83	1.09
Sagina w	165	437	413	355	13	888	ž	7	301	321	4	838	871	43,409	130	11:
Sanilac	117	111	107	132	-	183	117	٦	118	33		135	152	16,392	107	86.
Schooleraft	10	80	9	10		10	60		16	2		2	0	1,290	148	02.
Shiawassee	136	161	159	158	6	167	8	9	156	183	80	191	165	21,773	133	92.
St. Clair	878	356	430	827	23	850	331	11	818	818	10	834	586	40,088	136	27.
St. Joseph	270	25.2	306	20	7	908	273	8	808	813	83	333	814	25,906	8	1.21
Tuscola	133	131	150	25	*	141	147		147	160	61	162	380	16,998	8	1.11
Van Buren	233	82	281	225	**	228	233	6	242	237	•	173	368	29,156	183	86.
Washtenaw	883	908	908	202	8	274	214	88	272	291		291	388	88,723	146	8
Wayne	282	1,945	1,137	228	174	284	751	88	1,032	623	337	295	1,049	144,903	133	27.
Wexford		8	24	21	•	88	19		61	43		43	46	3,011	8	1.53

EXHIBIT D.—Number of Inhabitants to One Marriage, as stated for Different Foreign Countries, the United States, and some of the States of the Union. The Statements for Michigan include only the Inhabitants of Counties Represented by Returns of Marriages.

COUNTRY, STATE, OR	Year for which the State- ment is made.	Inhabit to or Marri Annus	ie age	COUNTRY, STATE, OR	Year for which the State- ment is made.	Inhabit- ants to one Mar- riage An- nually.
Austria		117	1	Massachusettsb	1870	98.9
Bavaria		160	İ	Massachusettsb	1871	94.9
Belgium		122		Massachusettsb	1872	94.9
Denmark		129		Massachusettsb	1873	95.6
England		123	6.	Massachusettsb	1874	103.5
Finland		141	Minnesota for 1869.	Massachusettsb	1875	121
France		122	fo.	Massachusettsb	1876	133
Greece		174	sots	Massachusettsb	1877	136
Holland		129	nu	New Jersey	1870	185
Norway		124	Ä	New York Cityd	1869	108
Prussia		106	8 of	New York City	1870	118
Russia		111	stic	Michiganfg	1869	108
Saxony		107	Statistics	Michiganf	1870	120
Spain		141	3	Michiganfg	1871	116
Sweden		133	1 2	Michiganfg	1872	121
United States	1860	122	Taken from	Michiganfg	1873	114
New York	1860	135	akc	Michiganfg	1874	116
Massachusetts	1865	97	[	Michigan	1874	109
Ohio		103		Michiganf	1875	118
Minnesota	1860	110		Michiganfi	1876	124
Minnesota	1868	107		Michigan		131
Minnesota	1870	116		Michigan	1878	132

Taken from Statistics of Minnesota for 1870.

Taken from Registration Report of Massachusetts for 1877, page 19.

There were 18 Townships from which no returns of marriages were received. Computed from data in Report of New Jersey for 1870.

Computed from data in Report of Metropolitan Board of Health for 1869.

Computed from data in Report of Board of Health, of Health Department, for 1870.

Marriages corrected, for additional returns, up to Dec. 20, 1879.

Population estimated from Censuses of 1880 and 1870.

Population as per Census of Michigan, 1874.

Population estimated from Censuses of 1864 and 1874.

# **DEATHS**, 1878.

There were 12,766 deaths in Michigan in 1873, as shown by the returns of the county clerks to the State Department. This number is smaller than the number returned for the years 1877, 1873, or 1872, and larger than the number returned for the years 1876, 1875, or 1874. (See Table I., page 104.) If the number returned be increased so as to account for the number probably omitted in the enumeration, according to the compiler's method of correction, the number of deaths in this State in 1878 will appear to be 18,866,—as shown in Exhibit A, page 107. By the above-mentioned method of correction, it is found that, for 1878, the number returned should be increased by 47.87 per cent. in order to equal the number which probably occurred.

The average number of deaths during each of certain specified periods of

time in 1878, including unknown month, is as follows:

PERIODS OF TIME.	Deaths as Returned.	Corrected as per Exhibit C, 4th line.
Per quarter	3,191.50	4,716.50
Per month	1,063.83	1,572.17
Per week	245.50	362,81
Per day	84,98	51,69

## THE DEATH-RATE IN MICHIGAN.

The following tabular exhibit shows the death-rate in Michigan for the year 1878. The statement is made for the deaths as returned and as corrected for omissions in the enumeration. The probable death-rate in the State for the year is 1.42 per cent., or 14.2 per thousand.

	Inhabitants	Deaths as	Deaths Corrected		OF DEATHS
	In 1874 Represented by Deaths in 1878.	Returned.	for Omissions in Enumer- ating.	Deaths as Returned.	Deaths Corrected for Omissions
Total	1,324,761	12,766	18,842	.96	1.42

Table I. shows, by quarters of the year, the number and proportion of deaths returned, and as corrected for omissions, for each of the years 1873-1878. The year 1878 is the only one in the table which shows a larger proportion for the last quarter than for the quarter ending with September. When the deaths are corrected for omissions in the enumeration, the quarter ending with September has the largest number of deaths.

TABLE I.—Deaths Returned as having occurred in Michigan by Quarters of the Year, Exhibiting the Number and Per Cent. of Total as Returned and as Corrected for each of the Years 1873 to 1878, inclusive.

M	ALS, AND ONTHS	1878	3.	1874		1873	5.	1870	5.	1877		1878	3.
QU	H WHICH ARTERS END.	Num- ber.	Per Ct. of Total.	Num- ber.	Per Ct. of Total.	Num- ber.	Per Ct. of Total.	Num- ber.	Per Ct. of Total.	Num- ber.	Per Ct. of Total.	Num- ber.	Per Ct. of Total,
To	otals	14,259	100.00	12,500	100.00	11,990	100.00	12,576	100.00	12,919	100.00	12,766	100,00
	March	3,211	22,52	2,246	17.97	2,679	22.34	2,460	19,56	2,599	20.12	2,449	19,18
ned.	June	3,335	23.39	3,039	24.31	2,838	23.63	2,803	22.29	2,829	21.90	2,822	22.10
As Returned.	Sept	4,182	29.33	3,870	30.96	3,334	27.81	4,009	31.88	3,999	30.95	3,731	29,23
IS II	Dec	3,461	24.28	3,299	26.39	3,073	25.62	3,273	26.02	3,436	26.60	3,740	29,3
	Unknown	69	.48	46	.87	71	.59	31	.25	56	.43	51	.19
Ave	rage	3,564.50	25,00	3,125.00	25.00	2,997.50	25.00	3,144.00	25.00	3,229.75	25.00	3,191.50	25,0
Tot	als	20,312	100.00	20,090	100.00	17,289	100,00	18,389	100.00	18,341	100.00	18,836	100.00
- ao	(March	5,190	25.55	4,288	21.34	4,409	25.50	4,153	22,58	4,227	23.05	4,217	22.3
Corrected for Omissions.	June	4,998	24.61	5,281	26.29	4,315	24.96	4,364	23.73	4,259	23,22	4,468	23.6
rect	Sept	5,729	28.20	5,963	29.68	4,621	26.73	5,661	30.78	5,495	29.96	5,340	28.3
	Dec	4,326	21.30	4,512	22.46	3,873	22.40	4,180	22.73	4,304	23.47	4,817	25.5
As	Unk	69	.34	46	.23	71	-41	31	.17	56	.30	24	.1
Ave	erage	5,078	25.00	5,023	25.00	4,322	25,00	4,597	25.00	4,585	25.00	4,717	25.0

<sup>.</sup> Including deaths in unknown month.

In Table II. the months are arranged in the order of those first which had the greatest number of deaths. August heads the list for each year except 1874, and January shows the least number in each year.

ABLE II.—Deaths in Michigan, Exhibiting, by Months, the Number and Per Cent. of Iotal Returned for each of the Years 1873 to 1878, inclusive, the months arranged in order by Number of Deaths, the Greatest Number first.

		1873.			1874.			1875.			1876.			1877.			1878.	
Y BO	Year and Months.	Num- ber.	Per Ct. of Total.	Year and Months.	Num- ber.	Per Ct. of Total.	Year and Months.	Num- ber.	Per Ct. of Total.	Year and Months.	Num- ber.	Per Ct. of Total.	Year and Months.	Num- ber.	Per Ct. of Total.	Year and Months.	Num- ber,	Per Ct. of Total.
Year	1	14,258	100,00	Year	12,500	100.00	Year	11,990	100.00	Year	12,576	100.00	Year	12,919	100.00	Year	12,766	100.00
- 5	Aug	1,535	10.77	Sept	1,517	12,14	Aug	1,222	10.19	Aug	1,507	11.98	Aug	1,559	12.07	Aug	1,371	10.74
0	Sept	1,471	10.33	Aug	1,388	11.10	Sept	1,219	10.17	Sept	1,423	11.32	Sept	1,400	10,84	Dec	1,369	10.72
-	Oct	1,258	8.83	Oct	1,211	69'6	Oct	1,080	9.01	Dec	1,153	9.17	Oct	1,221	9,45	Sept	1,343	10.52
-	Mar.	1,248	8.75	Dec	1,120	8.96	Dec	1,065	8,88	Oct	1,131	8.99	Dec	1,155	8.94	Oct	1,190	9.32
200	July	1,176	8.95	April	1,102	8.81	Mar	1,045	8.72	July	1,079	8.58	Nov	1,060	8.20	Nov	1,181	9.25
77	April	1,174	8.23	May	1,071	8.57	May	1,022	8.52	Nov.	686	7.86	July	1,040	8,05	April	1,029	8.06
-	Dec	1,136	7.97	Nov	968	7.74	April	1,003	8.37	April	978	7.78	Mar	066	7.66	July	1,017	7.97
hand	May	1,121	7.87	July	365	7.72	Nov	928	1.74	Mar	975	7.75	April	978	7.57	Mar.	930	7.98
	Feb	1,104	7.74	Mar	616	7.35	Feb	868	7.49	May	970	7.71	May	916	7.55	Мау	923	7.23
	Nov	1,067	7.49	June	998	6.93	July	893	7.45	June	822	6.80	June.	875	6.77	June	870	6.83
	June	1,040	7.30	Feb	672	5.38	June	808	6.74	Feb	800	6.36	Feb	843	6.53	Feb	780	6.18
575	Jan	698	6,02	Jan	999	5.24	Jan	736	6.14	Jan	082	5.45	Jan	166	5,93	Jan	730	5.73
-	Unk	69	48	Unk	46	.87	Unk	11	69.	Unk	31	325	Unk	99	.43	Unk	24	.10
100	V	AV 1,188.17	8,33	AV 1,011,67	1,011,67	8.33	Αν	999.17	8.33	AV 1,048.00	1,048.00	8.33	AV 1,076.58	1,076.58	8.33	AV 1,063.83	1,063.83	8,33

In each month of 1878, except March, there were more deaths of males than of females, as shown by Table III. The excess of males over females for the year was 4.32 per cent. The numbers in Table III. are as returned by the county clerks.

TABLE III.—Number and Per Cent. of Deaths of Males and of Females from all Causes, as Returned, by Months. (Unknown sex excluded.)

	AS RET	THS UBNED, 75.	PER CES		CH SEX 1 H SEXES.	O TOTAL	Males
YEAR AND MONTHS, 1878.	Males.	Fe- males.	Males.	Fe- males.		OF THE	to 100 Fe- males.
		mares.		mates.	Males.	Females.	
YEAR 1878	6,632	6,082	52.16	47.84	4.32		109
January	869	356	50.90	49,10	1.80		104
February	407	379	51.78	49.22	3.56		107
March	461	466	49.78	50.27		.54	99
April	562	459	55.01	44.96	10.08		122
May	484	437	52.55	47.45	5.10		111
June	441	427	50,81	49.19	1.62		103
July	528	488	51,97	48.03	8.94		108
August	726	642	53.07	46.93	6.14		118
September	691	645	51.72	48,28	8.44		107
October	607	577	51.27	48.73	2.54		105
November	617	562	52.33	47.67	4.66		110
December	727	632	53.50	46.50	7.00		115
Unknown	12	12	50.00	50.00	ļ		

Exhibit A shows, by sex, the number of deaths in 1878, by months equalized to uniform length. As thus equalized, the largest proportion is shown for the month of September, and the largest excess of males is shown for April.

EXHIBIT A.—By Sex, the Number of Deaths Returned as having occurred in Michigan during the Year 1878, by Months Equalized to 30.44 days each;—Number of Deaths in each Month; Per Cent. of Deaths in each Month to Total Deaths during the Year; and Per Cent. and Excess of Per Cent. of Deaths of each Sex to Total of both Sexes.

YEAR			DEATH: ED, 1878			T. OF DI	OTAL DUI		PER CT. OF EACH SEX TO TOTAL OF BOTH SEXES, UNKNOWN SEX EX- CLUDED.			
MONTHS, 1878.	Total.	Water	Fe-	Unk.	Total.	Males.	Fe-	Unk.	Males.	Fe-	Exc	ESS.
1000	Total.	Mules-	males.	Unk.	Total.	Males,	males.	Unk.	biales.	males.	Males.	Fe- males
YEAR 1878	12,766	6,632	6,082	52	100.00	100,00	100,00	100.00	52.16	47.81	4.32	
January	717	362	350	.5	5.62	5.46	5.75	9.61	50.84	49,16	1,68	
February	858	443	412	3	6.72	6.68	6.77	5.77	51,81	48.19	3.62	
March	914	453	458	3	7.16	6,83	7.53	5.77	49.73	50.27	*****	.5
April	1,044	570	466	8	8.18	8.59	7.06	15,38	55.02	44.98	10.04	
May	906	475	429	2	7.10	7.10	7.05	3.85	52.54	47.46	5.08	
June	883	448	433	2	6.92	6.75	7.12	3.85	50.85	49.15	1.70	
July	939	519	479	1	7.82	7.83	7.88	1.92	52.00	48.00	4.00	
Angust	1,346	713	630	3	10.54	10.75	10,36	5.77	53,09	46.91	6.18	
September.	1,363	701	655	7	10,68	10,57	10.77	13.46	51.70	48.30	3 40	
October	1,169	596	567	6	9.16	8,99	9,32	11.54	51.25	48,75	2,50	
November_	1,198	626	570	2	9.38	9.44	9.37	3.85	52.34	47.66	4.68	
December.	1,345	714	621	10	10.53	10.77	10.21	19.23	53.48	46.52	6.96	
Unknown	24	12	12		.19	.18	.20		50.00	50,00		
Average	1,062	552	506	4	8.33	8.33	8,33	8,33	52.05	47.95		

<sup>.</sup> Unknown month excluded.

for each of the Years 1875 to 1878, inclusive; in Michigan for the Census Year ending June 1, 1870, by the U.S. Census and by the State Registration Returns, for each of the Years 1872 to 1878, inclusive, as per Registration Returns, and as Corrected for Omissions in Enumeration; also, in Rhode Island for each of the Years 1875 to 1878, inclusive. EXHIBIT B.—Months arranged in Order by Number of Deaths, -those having the greatest Number first, -in Massachusetts

-	- x		-	14			4					*	
	1878,	-	1	1	-	-	1	-	-	-	-	-	1
ISLANI DING IRTHS.	1877.	Sept.	Aug.	Oct.	July.	Dec.	Nov.	Mar.	May.	Jan.	Apr.	J'ne.	Feb.
RHODE ISLAND EXCLUDING STILL-BIRTHS.	1870.	Ang.	July.	Dec. Oct	Mar.	Sept. Dec.	Oct.	May.	Apr.	Feb.	Jan.	Nov.	J'ne.
pa de	1875.	Aug.	Sept.	Feb.	Jan.	Dec.	Nov.	July.	Mar.	Oct.	May.	Apr.	J'ne.
N I	1878.	Aug.	Sept.	Dec.	Apr.	Oct.	Mar.	Nov.	July.	May.	Feb.	J'ne.	Jan.
SETONS	1877.	Aug.	Sept.	Det.	Mar.	Apr.	July.	May.	Dec.	Feb. May. Oct. Feb.	Nov.	Jan.	J'ne.
MICHIGAN, CORRECTED FOR OMISSIONS IN ENUMERATION, INCLUDING STILL-BIRTHS.	1876.	Aug.	Sept.	Mar.	fuly.	Apr.	May.	Oct. 1	Dec.	Feb.	J'ne.	Nov.	Jan.
RECTED FOR LATION, INCL. STILL-BIRTHS.	1875.	Aug.	Mar.	sept.	Apr.	May.	Feb.	Det.	Dec.	July.	Jan.	J'ne.	Nov.
STILL STILL	1873.	ept.	Aug.	Ipr. S	May.	Jot. 1	Mar. 1	ruly.	Dec. 1	l'ne.	Yov.	Jan.	reb.
ENUM ENUM	1873.	rug.	dar.	ept.	Ipr. 1	cb.	fay.	fuly.	)et. 1	"ne.	fan. 1	Dec.	Nov. 1
Місн	1872. 1873. 1874. 1875. 1876. 1877. 1878. 1875.	lug.	ept. 3	Sept. Apr. Sept. Apr. Sept. Mar. Oct.	Oct. Dec. Oct. Oct. Apr. May. Apr. July. Mar. Apr. Jan. Mar. July.	far. F	fay. 1	ruly.	000.	Nov.	eb.	l'ne. 1	an.
INS,	1878.	ug.	sec. s	ept. A	ot. C	Tov. 1	Ipr. 1	uly.	Inr. I	fay. N	'ne. F	eb. J	an. J
RETUI	1277.	ug. V	ept. [	s s	oec. o	(ov. 1)	uly.	far. J	tpr. 3	fay. B	'ne. J	eb. F	an. J
BIRTHS	876.	ug.	ept. S	oc. o	et. I	uly. N	OV. J	pr. 1	lar. A	Iay. D	'ne. J	eb. F	an. J
STILL	875.	ug.	ept. 8	et. D	ec. 0	lar. J	fay. N	pr. A	ov. M	eb. N	uly. J	'ne. F	an. J
Michigan, as per Registration Returns, Including Still-birtus.	1873. 1874. 1875. 1876. 1877. 1878.	Aug. Aug. Sept. Aug. Aug. Aug. Aug. Aug. Aug. Sept. Aug. Aug. Aug. Aug. Aug. Aug. Aug. Sept.	Sept. Aug. Sept. Sept. Sept. Dec. Sept. Mar. Aug. Mar. Sept. Sept. Sept. July. Aug.	Oct. Oct. Oct. Dec. Oct.	Dec. Dec.	April July, Apr. Mar. July, Nov. Nov. Mar. Feb. Oct. May. Apr. Apr. Oct.	May, May, Nov. July, Apr. May, May, Mar. Feb, May, July, Mar. Nov. Oct.	Nov. Apr. Apr. Mar. July. July. July. Oct. Oct. May. Nov. July. May. Mar	May, July, Nov. Mar. Apr. Mar. Dec. Oct. Dec. Dec. Dec. Dec. July, Mar. Apr. May.	Mar. Feb. Mar. Feb. May. May. Nov. J'ne. J'ne. July. Feb.	J'ne. Nov. J'ne. July. J'ne. J'ne. J'ne. Feb. Jan. Nov. Jan. J'ne. Nov. Feb. May. Jan. Apr.	Feb, J'ne, Feb, J'ne, Feb, Feb, Feb, J'ne, Dec. Jan. J'ne, Nov. Jan. J'ne, Apr. Nov. J'ne.	Jan. Jan. Jan. Jan. Jan. Jan. Jan. Jan.
AN, AS	873.	ug.	apt. A	et. 0	Mar. D	uly. A	Apr. M	ec. N	ay. J	eb. M	OV. J	ne, F	In. J
Испъ	1872. 1	ug. A	Sept. Se	Oct. 0	Dec. M	pril J	Nov. A	July. Dec.	May. M	ar. F	ne. N	eb. J	in. J
	Re- turns.	Sept. A	Aug. Sc				May. N	July. Ju	Nov. M	April. M	June. J'		
7 s 1 -				Oct.	Dec.	Mar.	Mo	30	No	Ap		Feb.	Ja
Michie Crass En June Re-	Census Mar- shals.	Mar.	May.	Aug.	Sept.	. Apr.	. Feb.	. Oct.	Dec.	Jan.	July.	Nov.	June
s,	1878.		-	-	-		-						-
MASSACHUSETTS INCLUDING STILL-BIRTHS.	1875. 1876. 1877. 1878.	Aug.	Sept.	July	Mar.	Oet.	6 Dec. Apr. Jan	May, Feb. April	Oct. Nov	Apr. Dec. Dec.	Oct. May. May	Nov. Nov. Feb.	J'ne. J'ne. J'ne June. Jan.
ASSACHUSET INCLUDING STILL-BIRTH	1876.	Aug.	July.	Mar.	Jan.	Sept.	Apr.	Feb.	Oct.	Dec.	May.	Nov.	J'ne.
×	1875.	Aug.   Aug. Aug.	Sept. July. Sept.	Jan. Mar. July	Feb. Jan. Mar.	July. Sept. Oct.	Dec.	May.	Mar.	Apr.	Oct.	Nov.	J'ne.
- 0				Ť		3	9	1	30	8	10	11	12

same Equalized for Increase of Population during the Year covered by the Returns, and the Deaths as thus Corrected and Equalized for the several Months, Equalized to Months of a uniform length of 30.44 days; also, indicating some of the HIBIT O.—Deaths in Michigan during the Year 1878, as Returned, as Corrected for Omissions in Enumerating, the steps by which these results have been reached.

						M	MONTHS, 1878.	, 1878.					
	TOTAL.4	Jan.	Feb.	Mar. April		May. June. July. Aug. Sept.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Deaths as returned by Registration Officers. Per cent. of deaths to be added for correction for time clapsing before enumeration. Number of deaths to be added for above correction.	A 12,742	730	789	67.76	1,020	923	870	1,017	1,371	1,343	1,190	1,181	1,369
Deaths, if enumerated in months of occurrence	-	-		1,560	-	1,459	1,333	1,509	1,968	-	1,593	1,524	1,700
Per cent, of deaths to be added to equalize them to population at close of	1	4.21	3,86	8.51	3,16	2.81	2,46	2.11	1.76	1.41	1.06	12:	1 25.
Deaths to be added to equalize them to population at close of year	471	20	553	55	53	4	69	60	33	96	17	11	03
Deaths, as corrected, equalized to population at close of year.	19,313 1,350 1,415	1,350	1,415	1,615 1,720	1,720	1,500 1,366		1,541	2,003	1,889	1,610	1,535	1,700
Days and hundredths by which the months should be increased or diminished to equalize them to months of uniform length.  Number by which the deaths should be increased or diminished to equalize them to months of uniform length.	17	56 + 2.44	+ 2.44	56	+ 44	56	+ .4	- 56	-36	+ 4 + 4 + 4 + 4 + 4 + 4 + 4 + 4	- 56	+.4	99 98.
Deaths, corrected and equalized, equalized to months of uniform length	19,327	1,326	1,538	1,586	1,754	1,326 1,538 1,586 1,764 1,473 1,386	1,386	1,513	1,967	1,917	1,513 1,967 1,917 1,581	1,558	1,728

a Excluding 24 in unknown month,

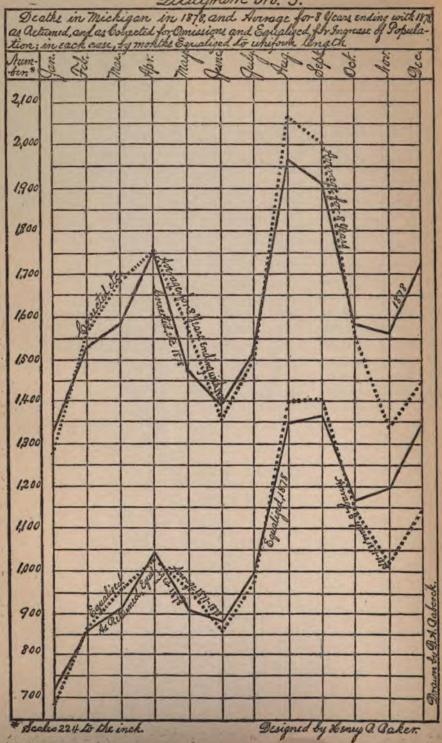
EXHIBIT D.—Deaths during the Years 1875 to 1878, inclusive, as Corrected for Omissions in the Enumeration, Exhibiting the Number and Per Cent. of Total, by Months arranged in Order by Number, Months having the greatest number first.

		1875.			1876.			1877.			1878.	
DER.	Months.	Num- ber.	Per Ct. of Total.	Months.	Num- ber.	Per Ct. of Total.	Months.	Num- ber.	Per Ct. of Total.	Months.	Num- ber.	Per Ct. of Total.
0 8	Total	17,289	100.00	Total	18,389	100.00	Total	18,341	100.00	Total	18,866	100.00
1	Aug	1,699	9.83	Aug	2,134	11.60	Aug	2,148	11.71	Aug	1,968	10.43
2	Mar	1,680	9.72	Sept	1,949	10.60	Sept	1,870	10,20	Sept	1,863	9.87
8	Sept	1,642	9.50	Mar	1,606	8.73	Oct	1,580	8.61	Dec	1,700	9.01
4	Apr	1,568	9.07	July	1,578	8.53	Mar	1,572	8.57	Apr	1,676	8.88
5	Мау	1,554	8.99	Apr	1,566	8,52	Apr	1,512	8.24	Oct	1,593	8.44
6	Feb	1,482	8.57	Мау	1,508	8,20	July	1,477	8.05	Mar	1,560	8.27
7	Oct	1,408	8.14	Oct	1,497	8.14	May	1,468	8.00	Nov	1,524	8.08
8	Dec	1,296	7.50	Dec	1,420	7.72	Dec	1,397	7.62	July	1,509	8,00
9	July	1,280	7.40	Feb	1,855	7.37	Feb	1,374	7.49	Мау	1,459	7.73
10	Jan	1,247	7.21	June	1,290	7.01	Nov	1,327	7.24	Feb.	1,362	7.23
11	June	1,193	6.90	Nov	1,263	6.87	Jan	1,281	6.98	June	1,333	7.07
12	Nov	1,169	6.76	Jan	1,192	6.48	June	1,279	6.97	Jan	1,295	6.86
	Unk	71	.41	Unk	31	.17	Unk	56	.31	Unk	24	.13
	Ava	1,441	8.33	Ava	1,532	8.33	Ava	1,528	8.33	Δv	1,572	8.33

a Including deaths in unknown month.



Diagram No. 3.



IBIT E.—Deaths in Michigan during the Year 1878, as Returned, as Corrected for Omissions in Enumerating, and as thus Corrected, Equalized to Months of uniform length of 30.44 days each.

			3		-	Me	Момтив, 1878.	, 1878.					
	LOTAL	Jan. 1	reb.	Mar.	April. 1	day.	Inne.	July.	Aug.	Sept.	Jan. Feb. Mar. April. May. June. July. Aug. Sept. Oct. Nov.	Nov.	Dec.
Deaths as returned by Registration Officers.		730	789	920 1,029 67.76 62.92		923	870 1,017 53.24 48.40	1,017	1,371	1,343	870 1,017 1,371 1,343 1,190 1,181 53.24 48.40 43.56 38.72 33.88 29.04	1,181	1,369
Number of deaths to be added for above correction	6,100	2992	573	630	647	536	463	492	169	520	403	313	331
Deaths, if enumerated in months of occurrence	18,542 1,236 1,362 1,560 1,676 1,439 1,838 1,509 1,968 1,968 1,584 1,700	1,295	1,362	1,560	1,676	1,459	1,333	1,509	1,968	1,863	1,593	1,524	1,700
Days and hundredths by which the months should be increased or diminished to equalize them to months of uniform length.  Number by which the deaths should be increased or diminished to equalize them to months of uniform length.	+13	+13 -23 +119	+ 119	56	+.4456 +.44 +.25 +.26 +.20	- 56	+ 30 + + 30	56	1.56	5656 +.4456 -2736 +2729		+.44	99 18
Deaths, corrected and equalized to months of uniform length	18,855 1,972 1,481 1,532 1,701 1,483 1,833 1,482 1,932 1,890 1,544 1,546 1,600	1,272	1,481	1,532	1,701	1,483	1,353	1,482	1,932	1,890	1,564	1,546	1,609

15-1878.

a Excluding 24 in unknown month.

Table IV. contains data concerning deaths in Michigan in 1878, by sex and by age of decedents. It may be seen that 25.22 per cent. of all the decedents were under one year of age, and 39.32 per cent. were under five years of age. There was an excess of deaths of males under five years of age; from 5 to 45 years, the excess was of females; from 45 to 85 years, the excess was of males; and over 85 years, the excess was of females.

TABLE IV.—Exhibiting, by Sex, and by Age in Periods of Years, the Number and Proportion of Persons Returned as having Died in Michigan during the Year 1878; also the Excess of Persons of each Sex.

AGES IN YEARS	Nu.	MBEE 0 18	F DEAT	chs,	AT E	T. OF D ACH AC AL AT . AGES.	E TO		CT, OF TOTAL SEX	or Bo		THE S	SEXES T BER.	Males
AND		1000	Fe-				Fe-		Fe-	Exc	ess.		Fe-	100 Fe-
PERIODS.	Total.	Males.	males.	Unk.	Total.	Males,	males,	Males.	males.	Males,	Fe- males.	Males.	maler.	males.
All Ages	12,766	6,632	6,082	52	100.00	100.00	100.00	52.16	47.84	4.32		550		109,04
Under 1	3,219	1,766	1,405	48	25,22	26.63	23.10	55.69	44.31	11.88		361		125.65
1 to 2	739	395	343	1	5.79	5.96	5.64	58.52	46,48	7.04		52		115.10
2 to 3	470	244	226		3,68	3.68	8,72	51.91	48.09	3.82		18		107.96
3 to 4	339	160	179		2.66	2.41	2.94	47,20	52,80		5.60		19	89.3
4 to 5	240	133	107		1.88	2.01	1.76	55.42	44.58	10.84		26		124.9
under 5	5,007	2,698	2,260	49	39.22	40,68	37.16	54.42	45,58	8.84		438		119.3
5 to 10	791	385	406		6,20	5.80	6.67	48.67	51.33		2,66		21	94.8
10 to 15	418	198	220		3.27	2.99	3.62	47.37	52.63		5,26		22	90.00
15 to 20	490	204	286		3,84	3.08	4.70	41.63	58.37		16,74		82	71.3
20 to 25	564	253	311		4.42	3.81	5.11	44.86	55.14		10,28		58	81.3
25 to 30	512	224	288		4.01	3,38	4.78	43.75	56,25		12.50		64	77.7
30 to 35	438	190	248		3.43	2,86	4.08	43,38	56.62		13.24		58	76.6
35 to 40	416	191	225		3,26	2.88	3.70	45.91	54.09		8,18		34	8LB
40 to 45	391	185	206		3.06	2,79	3,39	47.31	52,69		5,38		21	89.8
45 to 50	391	209	182		3.06	8.15	2.99	53.45	46,55	6.90		27		114.8
50 to 55	383	214	169		3.00	3.23	2.78	55.87	44.13	11.74		45		126,6
55 to 60	444	253	191		3,48	3,81	3.14	56,98	43.02	13,96		62		132.4
60 to 65	439	264	175		3.44	3,98	2.88	60.14	39.86	20,28		80		150.8
65 to 70	508	300	208		3.98	4.52	3.42	59.06	40,94	18.12		92		144.2
70 to 75	454	273	181		3.56	4.12	2.98	60,13	39.87	20.26		92		150,8
75 to 80	427	227	200		3.34	3,42	3,29	53.16	46.84	6.32	******	27		113.5
80 to 85	264	146	118		2.07	2.20	1.94	55.30	44,70	10,60		28		123.7
S5 to 90	156	72	84		1.22	1.09	1.88	46.15	53,85		7,70		12	85.7
90 to 95	48	23	25		.38	,35	.41	47.92	52.08		4.16		2	92.0
95 to 100	16	5	11	*****	.13	.08	.18	31.25	68.75		37.50	*****	6	45.4
100 and over	8	4	4		.06	.06	.07	50,00	50,00					100.0
Unk. Ages.	201	114	84	-9	1.67	1.72	1,38	57,58	42,42	15,16	-	30		135.7

EXHIBIT F.—Decedents in Michigan in 1878, by Sex, and Excess of the Sexes, by Age in Years.

AGE	D	ECEDEN	ers. 18	78.	Eve	ESS.	AGE	DE	CEDE	NTS. 16	378.	Exc	PSS.
IN			-		-	1	IN	-		, , ,		23.20	-
YEARS.	Total.	Males.	Fe- males.	Unk.	Males.	Fe- males.	YEARS.	Total.	Males.	Fe- males.	Unk.	Males.	Fe- males.
All Ages	12,766	0,632	6,082	52	550		35	116	54	62			8
Under I	3,219	1,766	1,405	48	361		37	61	34 27	34			15
1	739	395	343	1	52		38	80	33	47			14
2	470	244	226		18		39	76	48	33		10	
3	839	160	179			19	40	95	48	47		1	
4	240	133	107		26		41	58	28	30			2
5	220	108	112			4	42	93	36	57			21
6	167	69	98			29	43	75	33	42			9
7	150	72	78			6	44	70	40	30		10	
8	143	70	73			3	45	91	45	46			1
9	111	66	45		21		46	74	38	86		2	
10	82	39	43			4	47	75	37	38			1
11	103	51	52			1	48	91	57	34		23	
12	91	45	46			1	49	60	32	28		4	
13	72	31	41			10	50	96	55	41		14	
14	70	32	38			6	51	51	28	23		5	
15	84	38	46			8	52	95	57	38		19	
16	80	38	42			4	53	68	34	34			
17	- 99	33	66			33	54	73	40	33		7	
18	120	57	63			6	55	56	57	39		18	
19	107	38	69			31	56	98	50	48		2	
20	116	55	61			6	57	83	49	34		15	
21	92	42	50			8	58	93	49	44		5	
22	125	56	69			13	59	74	48	26		22	
23	122	56	66			10	60	89	54	35		19	
24	109	44	65			21	61	63	35	28		7	
25	106	48	58			10	62	87	49	38		11	
26	118	46	72			26	63	102	67	35		32	
27	89	41	48			7	64	98	59	39		20	
28	133	63	70			7	65	108	69	39		30	
29	66	26	40			14	66	97	53	44		9	
30	100	39	61			22	67	101	60	41		19	
31	73	38	35		3		68	110	69	41		28	
32	80	34	46			12	69	92	49	43		6	
31	99	41	58			17	70	107	62	45		17	
	86	38	48			10	71	74	46	28		18	
			1 7	-	-					1		-	

EXHIBIT F.—Continued.—Deaths by Ages in Michigan in 1878.

AGE	Di	CEDE	NTS, 18	378.	Exc	ESS.	AGE	Di	CEDE	NTS, 1	878.	Exc	ESS.
YEARS.	Total.	Males.	Fe- males,	Unk.	Males.	Fe- males.	YEARS.	Total.	Males.	Fe- males.	Unk.	Males.	Fe- males.
72	106	63	43		20		90	23	11	12			1
73	81	45	36		9		91	11	5	6			1
74	86	57	29		28		92	6	2	4			2
75	104	52	52				93	5	4	1		3	
76	82	48	34		14		94	8	1	2			1
77	65	33	32		1		95	5	2	3			1
78	104	55	49		6		96	2	2			2	
79	72	39	33		6		97	3		3			3
80	67	39	28		11		98	5	1	4			3
81	47	24	23		1		99	1		1			1
82	58	28	30			2	100	2	1	1			
83	34	20	14		6		102	2	1	1			
84	58	35	23		12		103	1		1			1
85	33	16	17			1	104	1	1			1	
86	36	16	20			4	107	1		1			1
87	33	18	15		3		116	1	1			1	
88	30	11	19			8	Unknown.	201	114	84	3	80	
89	24	11	13			2					1		

Exhibit G furnishes data for the study of the influence of seasons of year upon deaths of persons at different periods of life. Of the decedents at all ages in August, 31.87 per cent. were under one year of age, 47.70 per cent. were under five years of age, 4.52 were aged 5 to 10 years, and so on down the August column. The lines headed "Per Cent of Deaths, 1878" are read from left to right; for instance, of the 3,218 decedents aged under one year, 5.38 per cent. died in January, 5.72 per cent. in February, 7.30 per cent. in March, etc. The decedents under one year of age show the largest proportion in August as compared with the other months of the year. In April the greatest mortality seems to have been among persons aged 50 years and over, and in October the greatest proportionate mortality appears for decedents aged 20 to 50 years.

EXHIBIT G.—The Relation of the Deaths at Different Periods of Age to Deaths at All Ages, by Months; and for the same Periods of Age, the Relation of the Deaths in each Month to the Deaths in the Year 1878, according to the Returns.

DEATHS BY AGES IN	HES IN PERIODS OF YEARS.	YEAR,		H	H		M	ONTHS,	, 1878.					
		1878.a	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
All Ages		12,742	730	780	930	1,029	923	870	1,017	1,371	1,343	1,190	1,181	1,369
1-1100	Number	8,218	173	181	235	252	213	993	289	437	843	278	818	344
Under 1	Per Cent, of All Ages	25.26	23,70	23.32	25.27	24,49	23.08	25,63	28,42	31.87	25.47	23.36	21.00	25.13
	Per Cent. of Deaths, 1878	100.00	5,38	5.73	7.30	7.83	6.62	6.93	86.8	13.58	10.63	8.64	1.7.1	10,69
	Number	5,004	280	990	355	377	329	819	419	654	541	456	432	542
Under 5	Por Cent. of All Ages	39.27	39.73	36.76	38.17	36.64	35.64	36.67	41.20	47.70	40.28	38.35	36.58	32.59
	Per Cent. of Deaths, 1878	100.00	5.80	5.80	7.09	7.53	6.57	6.37	8.37	13.07	10.91	9.11	8.63	10.83
200	Namber	190	38	69	99	89	84	40	6	62	66	33	88	105
5 to 10	Per Cent. of All Ages	6.20	5.21	7.48	6,03	5.64	5.20	4.60	4.13	4.52	7.37	7.14	8.30	7.67
	Per Cent. of Deaths, 1878	100,00	4,81	7.47	7.09	7.34	80.9	5.06	5.32	7.85	12,53	10.76	12.41	13,29
	Number	806	52	69	500	72	69	28	88	96	88	92	850	106
10 to 20	Per Cent, of All Ages	7.13	7.12	7.48	5.70	7.00	6.39	6.67	8.65	2.00	6.55	7.98	6.94	7.74
	Per Cent. of Deaths, 1878	100.00	5.73	6.50	5.84	7.93	6.50	6.39	9.60	10,57	69.6	10.46	9.03	11.67
	Number	2,707	164	164	228	217	215	192	246	244	696	202	258	958
20 to 50	Per Cent, of All Ages	21.24	22.47	20.79	24.52	91.09	23.29	22.07	24.19	17.80	20.03	21.60	21.42	18.85
	Per Cent. of Deaths, 1878	100.00	90.9	6.06	8,42	8.02	7.94	7.09	9.09	10.6	9.94	9.49	9.35	9.63
	Number	3,142	176	201	222	286	259	241	212	765	330	285	765	336
50 and over	Per Cent. of All Ages	24.66	24.11	25.48	23.87	97.79	98'06	27.70	20,85	91.66	24.57	23.06	25,15	24.54
	Per Cent. of Deaths, 1878	100.00	2.60	6,40	7.07	9.10	8.24	7.67	6.75	9.45	10,50	9.07	9.45	10.69
	Number	191	10	16	16	61	13	00	- 10	18	16	12	19	61
Jnknown Ages	Unknown Ages   Per Cent. of All Ages	1.50	1.37	2.03	1,72	1.85	1.41	2,30	86.	1.31	1.19	101	1.61	1.61
	Per Cent. of Deaths, 1878	100,00	5,24	8.38	8.38	9 0 5	0.81	10.47	201	0.00	20.00	000		** **

\* Excluding unknown month.

TABLE V.—Exhibiting, by Sex and by Age in Periods of Years, the Number of Persons Returned as having Died in Michigan during the Year, and in each Month of the Year 1878.

AGES IN PERIODS		YEAR,					3	IONT	rns,	1878.					
OF YEARS.	SEX.	1878.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
(	Total	12,766	730	789	930	1029	923	870	1017	1371	1343	1190	1181	1369	2
	Males	6,632	369	407	461	562	484	441	528	726	691	607	617	727	1
All Ages	Females	6,082	356	379	466	459	437	427	488	642	645	577	562	632	1
1-11	Unknown	52	5	3	3	8	2	2	1	3	7	6	2	10	
1	Total	3,219	173	184	285	252	213	223	289	437	342	278	248	314	-
	Males	1,766	105	92	119	137	112	115	164	244	196	152	136	194	
All Under 1	Females	1,405	63	89	113	108	99	106	124	191	141	120	110	140	1
	Unknown	48	5	3	3	7	2	2	1	2	5	6	2	10	
	Total	5,007	290	290	355	377	329	319	419	654	541	456	432	542	1
All Under 5	Males	2,698	165	151	178	214	172	165	217	349	305	249	227	805	13
all Onder o	Females	2,260	120	136	174	156	155	152	201	303	230	201	203	227	-
	Unknown	49	-5	3	3	7	2	2	1	2	6	6	2	10	
	Total	791	38	59	56	58	48	40	42	62	99	85	98	105	1
to 10	Males	385	12	25	22	33	23	23	20	35	51	41	48	52	
4	Females	408	26	34	34	25	25	17	22	27	48	44	50	53	
	Total	418	22	21	26	36	29	20	43	41	36	44	40	60	
10 to 15	Males	198	11	15	9	17	13	9	28	19	14	18	28	22	-
	Females	220	11	6	17	19	16	11	15	22	22	26	17	38	
	Total	490	30	38	27	26	30	38	45	55	52	51	42	46	
15 to 20	Males	204	6	18	12	14	10	18	21	23	24	18	19	21	
	Females	286	24	20	15	22	20	20	24	32	28	33	23	25	
	Total	564	32	20	46	51	54	38	52	55	54	50	54	56	
20 to 25	Males	253	20	9	20	21	80	17	23	25	18	20	26	23	
	Females	311	12	11	26	30	24	21	29	36	36	30	28	88	
	[Total	512	34	39	42	40	36	40	34	43	56	45	46	57	
25 to 30	Males	224	15	16	18	17	18	14	16	21	23	22	92	22	400
	Females	288	19	23	24	23	18	26	18	22	33	23	24	35	
	Total	438	19	35	37	33	34	27	37	42	49	40	49	34	
30 to 35	Males	190	6	18	.17	16	8	16	13	92	19	13	27	16	
	Females	248	13	17	20	17	28	11	24	20	30	27	22	18	
	[Total	416	30	23	45	42	28	24	35	32	36	43	40	37	
35 to 40	Males	191	13	12	22	22	14	11	15	16	14	19	17	16	
	Females	225	17	11	23	20	14	13	20	16	22	24	23	21	
	Total	391	20	24	29	23	85	28	47	42	37	36	32	36	
40 to 45	Males	185	6	8	17	13	12	15	21	19	23	18	14	19	
	Females	206	14	16	12	12	23	13	26	23	14	18	18	17	

TABLE V .- CONTINUED .- Deaths by Periods of Age, by Sex, by Months.

LONG THE DESIGNATION OF		Y	1			-	-	Mon	THS,	1878.					
OF YEARS.	SEX.	YEAR, 1878.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
-	Total	391	29	28	29	26	28	35	41	30	37	43	32	38	
45 to 50	Males	209	17	13	15	17	17	17	24	13	18	22	15	19	
	Females	182	12	10	14	9	11	18	17	15	19	21	17		
	Total	383	24	27	19	36	22	29	36	36	49	31	30	44	
50 to 55	Males	214	12	16	14	21	13	14	21	23	28	18	15	19	
	Females	169	12	11	5	15	9	15	15	13	21	13	15	25	
	Total	444	19	25	43	36	29	43	33	46	41	42	40	47	
55 to 60	Males	253	6	15	24	20	21	21	20	29	22	25	24	26	
	Females	191	13	10	19	46	8	22	13	17	19	17	16	21	
	Total	439	19	32	34	52	45	36	26	44	39	39	36	36	1
60 to 65	Males	264	10	20	17	34	29	22	17	26	21	22	23	23	
	Females	175	9	12	17	18	16	14	9	18	18	17	13	13	1
	Total	508	33	34	41	56	42	31	36	85	54	43	51	51	1
65 to 70	Males	300	23	18	21	32	24	14	21	24	30	27	28	42	1
	Females	208	10	16	20	24	18	17	15	11	24	16	28	9	
	Total	454	20	22	35	33	36	30	31	49	45	50	45	55	1
70 to 75	Males	273	12	12	28	19	24	16	17	25	24	33	30	31	9
	Females	181	8	10	7	14	12	14	14	24	21	17	15	24	1
	Total	427	30	35	28	38	35	31	22	31	50	37	55	35	
75 to 80	Males	227	15	20	11	22	25	19	13	15	23	14	30	20	
	Females	200	15	15	17	16	10	12	9	16	27	23	25	15	
	Total	264	17	14	10	24	26	20	17	31	31	25	19	30	
80 to 85	Males	146	7	5	5	16	16	11	9	19	15	15	14	14	
	Females	118	10	9	5	8	10	9	8	12	16	10	5	16	
	Total	156	9	7	11	4	17	17	6	16	14	12	16	27	
85 to 90	Males	72	6	4	4	2	6	7	3	7	8	4	7	14	
	Females	84	3	3	7	2	11	10	3	9	6	8	9	13	
	Total	48	4	4	1	4	3	3	5	8	5	4	3	4	
00 to 95	Males	23	2	1	1	3	1	1	3	3	3	1	2	2	
	Females	25	2	3		1	2	2	2	5	2	3	1	2	
	Total	16	1	1		2	2	1				2	1	6	***
95 to 100	Males	5					****			****		1	****	4	
	Females	11	1	1		2	2	1				1	1	2	
	Total	8				1	2			1	2		1	1	
100 and over	Males	4					2				1			1	
	Females	4				1				1	1		1		
	Total	201	10	16	16	19	13	20	10	18	16	12	19	22	10
Unknown	Males	114	5	11	6	9	8	- 11	6	11	7	7	11	16	
ANNUA M. T. T. T. T. T. T. T. T. T. T. T. T. T.	Females	84	5	5	10	D	5	9	4	6	8	5	8	6	4
Bertham 3	Unknown	3		l		1				1	1				

TABLE VI.—Exhibiting, by Sex and by Months, the Number Returned as having Died in Michigan during the Year 1878 at each and every Age, the Age stated in Twelfths of a Year for those under One, and in Years for those over One Year of Age.

AGES		YEAR,					- 1	MONT	HS, 187	8.					
YEARS.	SEX.	1878.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Апк.	Sept.	Oct.	Nov.	Dec.	Unk.
	Total	1,663	108	111	130	157	129	116	133	159	150	141	126	202	3
	Males	946	67	56	60	90	69	64	84	93	89	82	79	113	-
Under 1-12.	Females.	660	36	52	67	60	58	50	48	64	56	53	45	79	
	Unknown	48	5	3	3	7	2	2	1	2	5	6	2	10	
	Total	238	9	11	23	7	16	13	15	43	21	25	19	36	
1.12	Males	125	8	6	12	2	5	9	8	26	10	14	9	_	
	Females.	113	1	5	11	5	11	4	7	17	11	11	10	20	
	Total	211	8	8	11	11	13	17	25	41	27	21	12		
2-12	Males	98	3	2	6	3	7	7	8	22	14	8	6	_	
	Females.	113	5	6	5	8	6	10	17	19	13	13	6		
	Total	193	6	9	16	11	5	14	21	33	24	16	21	17	
3-12	Males	114	4	6	s	10	3	8	13	18	16	8	8	12	
	Females.	79	2	3	8	1	2	6	8	15	8	8	13	-	
	Total	160	5	12	7	10	4	14	19	24	-22	15	12	16	
4-12	Males	83	5	7	3	4	1	7	12	9	12	9	5	_	
	Females.	77		5	4	6	3	7	7	15	10	6	7	_	
	Total	117	5	6	6	6	8	11	14	23	15	7	10	_	
5-12	Males	60	2	2	2	3	3	2	6	14	10	7	6	100	-
	Females .	- 57	3	4	4	3	5	9	8	9	To.		4	_	
	Total	127	6	9	7	10	6	7	17	22	16	11	7	_	
	Males	68	3	6	2	4	3	4	9	16	9	6	0		
	Females.	59	3	3	5	6	3	3	8	6	7	5	5	- 3	
	(Total	105	3	4	9	8	6	8	12	19	12	11	5	_	
7-12	Males	55	2	1	8	5	5	4	6	9	4	4	2		
	Females.	50	1	3	1	3	1	4	6	10	8	7	3		
	[Total	113	7	2	8	12	5	5	14	20	11	7	12		
	Males	57	4		5	5	4	8	8	8	5	4	3		
	Females	56	3	2	3	7	1	2	6	12	6	3			
	(Total	102	5	4	5	7	8	5	7	20	12	12	9		
	Males	84	2	3	3	2	3	2	4	12	8	7	4		
	Females -	48	3	1	9	5	5	3	8	8	4	5	5		
	(Total	92	4	2	11	9	6	7	5	14	17	7	4		-
10.12	Males	36	9	1	9	6	5	3	2	7	11	2	4		
	Females.	36	2	1	2	3	1	4	3	7	6	5			
	(Females.	30	1		-	0	1	-		-	0	9		- 2	*

TABLE VI.—CONTINUED.—Deaths by Ages, by Sex, by Months.

GES	4500	YEAR,	100				1	MONTI	18, 1878	i					
IN ARS.	SEX.	1878.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
	[Total	98	7	6	2	4	7	6	7	19	15	-5	11	9	
	Males	50	3	2	1	3	4	2	4	10	8	1	8	4	
	Females.	48	4	4	1	1	3	4	3	9	7	4	3	5	
	Total	739	33	41	54	54	50	35	65	126	86	79	50	64	
	Males	395	19	25	29	36	27	15	26	58	49	43	28	39	
	Females .	343	14	16	25	18	23	20	39	68	36	36	22	25	-
	Unknown	1									1				
	[Total	470	41	24	32	30	29	22	33	46	58	44	53	58	
	Males	244	20	13	15	18	17	15	12	24	26	31	25	28	
	Females .	226	21	11	17	12	12	7	21	22	32	13	28	30	
	[Total	339	22	25	16	20	26	21	22	31	30	34	49	43	
	Males	160	10	12	8	14	12	8	9	16	19	17	18	17	
	Females.	179	12	13	8	6	14	13	13	15	11	17	31	26	
	Total	240	21	16	18	21	11	18	10	14	25	21	32	33	
	Males	133	11	9	7	9	4	12	6	7	15	6	20	27	**
	Females.	107	10	7	11	12	7	6	4	7	10	15	12	6	
	(Total	220	6	16	14	10	12	10	14	18	27	18	37	38	
	Males	108		6	5	6	5	7	6	10	12	15	16	20	-
	Females.	112	6	10	9	4	7	3	8	8	15	3	21	18	-
	[Total	167	12	12	12	15	9	10	6	8	20	23	17	22	
	Males	69	3	5	4	5	3	6	3	2	12	8	8	10	
	Females.	98	9	7	8	10	6	4	3	6	8	15	9	12	
	(Total	150	5	14	9	16	12	8	3	14	22	12	16	19	
	Males	72	2	5	2	10	5	3	2	10	12	4	7	10	
	Females.	78	3	9	7	6	7	5	1	4	10	8	9	9	
	[Total	143	11	10	15	11	9	5	11	15	17	15	15	9	
	Males	70	5	6	7	9	5	3	4	8	9	5	6	3	
	Females .	73	6	4	8	2	4	2	7	7	8	10	9	6	
	(Total	111	4	7	6	6	6	7	8	7	13	17	13	17	
	Males	66	2	3	4	3	5	4	5	5	6	9	11	9	-
	Females .	45	2	4	2	3	1	3	3	2	7	8	2	8	
	[Total	82	5	4	5	6	7	3	11	7	9	-6	7	12	-
	Males	39	3	2	2	2	3	1	9	4	2	3	4	4	
	Females .	43	2	2	3	4	4	2	2	3	7	3	3	8	
	[Total	103	3	9	10	8	8	0	8	9	9	12	8	17	
	Males	51	2	7	3	6	4	1	4	5	6	3	4	6	
	Females.	52	1	2	7	2	4	1	4	4	3	9	4	11	

TABLE VI.—CONTINUED.—Deaths by Ages, by Sex, by Months.

AGES	-	YEAR,						MONT	us, 187	78.					
YEARS.	SEX.	1878.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
19	Total	91	5	5	5	7	4	4	9	13	4	11	13	11	
12	Males	45	2	3	2	4	3		6	.5	3	7	8		
	Females.	46	3	2	3	3	1	4	3	8	1	4	5	9	
	Total	72	3	1	3	8	6	5	5	6	10	9	5	11	
13	Males	31	1	1	2	4	2	2	4	2	1	5	2	5	
	Females.	41	2		1	4	4	3	1	4	9	4	8	0	
	Total	70	6	2	3	7	4	6	10	6	4	6	7		
14	Males	32	3	2		1	1	5	5	3	2		5	5	
	Females	38	3		3	6	3	1	5	3	2	6	2	4	
1	Total	84	5	5	3	6	6	8	8	11	11	6	8	7	
15	Males	38	2	2	1	2	3	4	4	3	4	4	4	5	
(	Females .	46	3	3	2	4	3	4	4	8	7	2	4	2	
(	Total	80	5	8	5	3	7	3	7	9	9	11	6	7	
16	Males	118	2	3	3	1	3	2	3	6	3	5	1	6	
	Females	42	8	5	2	2	4	1	4	3	6	6	5	1	
1	Total	99	5	8	9	9	1	5	13	13	11	7	7	11	
17	Males	113		4	4	3		1	4	4	6	1	3	3	
- (	Females.	66	5	4	5	6	1	4	9	9	5	6	4	8	
1	Total	120	7	13	4	7	7	11	9	16	12	13	11	10	
18	Males	57	1	7	2	4	3	8	5	7	6	5	5	4	
1	Females.	63	6	6	2	3	4	3	4	9	6	8	6	6	
1	Total	107	8	4	6	11	9	11	8	6	9	14	10	11	
19	Males	38	1	2	2	4	1	3	5	3	5	3	6	3	
1	Females.	69	7	2	4	7	8	8	3	3	-4	11	. 4	8	
1	Total	116	8	6	5	10	12	6	9	11	17	7	15	10	
20	Males	55	7	2	3	2	8	1	3	7	5	3	8	6	
1	Females.	61	1	4	2	8	4	5	6	4	12	4	7	4	-
	Total	92	6	2	6	6	7	5	9	32	6	7	11	14	19
21	Males	42	8	1	2	2	4	3	4	6	2	4	6	5	
(	Females _	50	8	1	4	4	3	2	5	6	4	3	5	0	
1	Total	125	11	4	15	10	14	12	11	9	8	12	10	9	
22	Males	56	5	2	4	7	5	7	5	8	9	6	6	4	
(	Females.	69	6	2	11	3	9	5	6	6	6	6	4	5	
1	Total	122	4	4	12	13	9	8	12	13	14	11	8	13	1
23	Males	56	3	2	8	5	6	5	6	5	6	8	2	4	1
	Females	66	1	2	4	8	8	8	6	8	8	8	6	9	

TABLE VI.—Continued.—Deaths by Ages, by Sex, by Months.

AGES		YEAR,						MONT	ns, 18	78.					
IN YEARS.	SEX.	1878.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oet.	Nov.	Dec.	Unk.
-	Total	109	3	4	8	12	12	7	11	10	9	13	10	10	
24	Males	44	2	2	3	5	7	1	5	4	3	4	4	4	
	Females_	65	1	2	5	7	5	6	6	6	6	9	8	6	
(	Total	106	10	7	10	7	11	8	9	11	11	5	8	9	
25	Males	48	3	3	4	2	8	2	5	7	5	3	4	2	
1	Females.	58	7	4	6	5	3	6	4	4	6	2	4	7	
(	Total	118	8	12	9	8	7	10	10	8	11	12	14	14	
26	Males	46	2	6	2	4	3	5		4	6	5	5	4	
1	Females.	72	1	6	7	4	4	5	10	4	5	7	9	10	
(	Total	89	8	6	6	13	8	7	3	6	14	12	1	8	
27	Males	41	3	2	4	6		1	4	3	7	6		5	
1	Females.	48	5	4	2	7	3	6	1	3	7	6	1	3	
(	Total	133	8	9	13	6	9	11	8	14	12	12	17	14	
29	Males	63	5	4	8	3	5	3	5	5	3	5	9	8	
	Females .	70	3	5	5	, 3	4	8	3	9	9	7	8	6	
- (	Total	66	5	5	4	6	6	4	2	4	8	4	6	12	
29	Males	26	2	1		2	2	3	2	2	2	3	4	3	
	Females.	40	8	4	4	4	4	1		2	6	1	2	9	
	Total	100	.5	6	7	8	7	10	8	9	14	.5	14	7	
30	Males	39	2	3	2	4	1	4	2	4	5	2	6	4	
	Females.	61	3	3	5	4	6	6	6	5	9	3	8	3	
1	Total	78	2	7	13	4	1	3	6	9	7	- 8	_6	6	1
31	Males	38	****	3	6	2		2	2	7	2	3	6	4	1
	Females.	35	2	4	7	2	1	1	14	2	5	5		2	
(	Total	80	5	7	4	6	12	7	4	8	7	7	7	5	1
32	Males	34	1	2	2	3	3	6	3	3	3	2	5	1	
,	Females .	46	4	5	2	3	9	1	1	5	4	5	2	4	1
1	Total	99	3	11	6	7	7	5	9	5	14	10	15	7	
33	Males	41	****	6	3	4	1	3	1	3	5	4	8	. 3	
	Females_	58	3	5	3	3	6	2	8	2	9	6	7	4	
(	Total	86	4	4	7	8	7	2	10	11	7	10	7	9	
34	Males	38	3	4	4	3	1	1	5	5	4	2	2	4	
11 1	Females.	48	1		3	5	6	1	5	6	3	8	5	5	
	Total	116	9	9	11	11	7	4	9	13	11	13	9	20	
35	Males	54	2	4	4	6	4	2	4	5	3	10	4	6	
	Females.	62	7	5	1	5	3	2	5	8	8	8	5	4	
	Total	83	6	6	7	9	7	8	4	10	4	4	10	7	1
36	Males	34	2	3	4	4	4	5	1	4		- 1	5	1	
-	Females .	49	4	3	3	5	3	3	3	6	4	3	. 5	6	1

TABLE VI.—CONTINUED.—Deaths by Ages, by Sex, by Months.

AGES	200	YMAR,						MONT	ня, 18	78.					
IN YEARS.	SEX.	1878.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
-	Total	61	7	3	6	4	4	6	12	2	2	5	9	1	
37	Males	27	5	1	2	3	2	1	4	1	1	3	3	1	
	Females.	34	2	2	4	1	2	5	8	1	1	2	6		
(	Total	80	5	2	11	8	4	2	4	4	13	11	5	11	
38	Males	33	2	1	7	5	1	1	2	3	5	1	2	3	
1	Females.	47	3	1	4	3	3	1	2	1	8	10	3	8	
1	Total	76	3	3	10	10	6	4	6	3	6	10	7	8	
39	Males	43	2	3	5	4	3	2	4	3	5	4	3	5	
- (	Females.	33	1		5	6	3	2	2		1	6	4	3	
1	Total	95	4	5	9	7	3	8	9	16	7	12	6	9	
10	Males	48	1	1	7	5	2	2	4	7	6	8	3	2	
į	Females .	47	3	4	2	2	1	6	5	9	1	4	3	7	
1	Total	58	3	4	4	3	3	4	8	5	8	4	6	6	
11	Males	28	2	1	2	1		1	4	3	6	9	1	5	
	Females.	30	1	3	2	2	3	3	4	2	2	2	5	1	
1	Total	93	7	7	9	6	9	8	10	8	8	6	8	7	
2	Males	36	1	2	4	3	1	6	4	3	3	2	4	3	
1	Females.	57	6	5	5	3	8	2	6	5	5	4	4	4	
- 1	Total	75	4	6	1	6	10	2	12	10	6	7	6	5	
13	Males	33	1	4	1	3	4	1	3	4	3	2	4	8	
(	Females.	42	3	2		3	6	1	9	6	3	5	2	2	
1	Total	70	2	2	6	3	10	6	8	3	8	7	6	9	
14	Males	40	1		3	1	5	5	6	2	5	4	2	6	
į	Females .	30	1	2	8	2	5	1	2	1	3	3	4	3	
(	Total	91	4	2	11	7	5	12	7	7	9	8	11	8	
15	Males	45	3	1	4	3	2	3	5	6	3	4	7	4	
	Females.	46	1	1	7	4	3	9	2	1	6	4	4	4	
1	Total	74	10	7	5	5	4	7	3	7	5	12	5	4	
16	Males	38	5	4	3	4	8	8	3	3	1	6	2	1	
1	Females.	36	5	3	2	1	1	4		4	4	6	8	2	
1	Total	75	3	5	5	4	8	4	8	7	10	8	4	9	
17	Males	37	1	3	3	2	5	2	2	8	7	5	1	3	
1	Females	38	2	2	2	2	3	2	6	4	3	3	3	6	
1	Total	91	7	4	3	6	9	9	12	8	6	10	3	14	
18	Males	57	5	2	2	5	6	6	8	3	3	5	2	10	
1	Females	34	2	2	1	1	3	3	4	5	3	5	1	4	
	Total	60	5	5	5	4	2	3	11	1	7	5	9	3	
49	Males	32	3	8	3	3	1	3	6		4	2	3	_	
1	Females.	28	2	2	2	1	1		5	1	3	3	8	_	

TABLE VI.—Continued.—Deaths by Ages, by Sex, by Months.

AGES		YEAR,						MONT	HS, 187	18.					
IN YEARS.	SEX.	1878.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
	Total	96	2	7	5	6	4	9	13	8	13	9	7	13	
50	Males	55	1	5	4	2	4	4	9	6	10	4	3	.3	
	Females.	41	1	2	1	4		5	4	2	3	5	4	10	
	Total	51	6	1	2	8	4	5	3	2	3	6	4	7	
51	Males	28	3	1		5	2	3	2	2	2	6	2		
	Females.	23	3		2	3	2	2	1		1		2	7	
10	Total	95	7	5	7	10	7	4	8	11	10	7	9	10	
52	Males	57	3	4	6	6	2	3	5	8	5	4	4	7	
	Females.	38	4	3	1	4	5	1	3	3	5	3	5	3	
	Total	68	4	6	1	7	3	6	5	7	10	4	7	8	***
53	Males	34	2	4	1	5	1	1	2	3	3	3	4	5	
10	Females.	34	2	2		2	2	5	3	4	7	1	-3	3	
	Total	73	5	-8	4	5	4	5	7	8	13	5	3	6	
54	Males	40	8	2	3	3	4	3	3	4	S	1	2	4	
	Females.	33	2	6	1	2		2	4	4	.5	4	1	2	
	Total	96	4	3	6	7	8	n	11	13	10	6	7	10	
55	Males	57	1	3	3	5	5	7	8	9	5	3	3	5	
	Females.	39	3		3	2	3	4	3	4	.5	3	4	5	
	Total	98	9	5	9	5	2	13	. 6	11	8	7	11	12	
56	Males	50	2	2	4	2	1	5	3	7	4	5	7	8	
	[Females	48	7	3	5	3	1	8	3	4	4	2	4	4	
	Total	83	8	6	13	6	7	3	3	9	8	8	9	8	
57	Males	49	1	2	9	4	6	1	2	6	3	4	6	5	
	[Females	34	2	4	4	2	1	2	1	3	5	4	3	3	
	Total	93	2	6	5	9	7	11	7	7	9	12	8	10	
58	Males	49	1	4	3	4	5	6	3	5	5	6	4	3	
	Females	44	1	2	2	5	2	5	4	2	4	6	4	7	
	Total	74	1	5	10	9	5	5	6	1	1	1	1 1	7	
59	Males	48	1	4	5	5	4	2	4	2	ō	7	4	5	
	Females.	26		1	5	4	1	3	2	4	)	2	1	2	
	[Total	89	3	4	6	10	9	8	4	11	6	13	9	6	
60	Males			4	4	6	4	4	3	6	2	1		4	
	Females	1 22			2	4	5	4	1		1 7	1			
	[Total		3	1 7		11	6	6	4	1		1		1	1
61	Males		1	1		8		4	4				1 7	1 3	
	Females	28		100	1	3	100	2	2000	4				1	1
	[Total	87	3	11		10	8	9	8					7	
62	Males	49	9	6	3	9	1	1 3	4					1 13	1
	Females.	38	1	5	4	1	3	2	4	6	1	3	3	3	

TABLE VI.—Continued.—Deaths by Ages, by Sex, by Months.

AGES	200	YEAR,						MONT	HS, 18	78.					
IN YEARS.	Sex.	1878.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
	Total	102	5	8	9	10	12	9	2	111	11	5	6	13	1
63	Males	67	4	5	4	6	9	5	1	10	9	3	5	6	
	Females.	35	1	3	5	4	3	4	1	1	2	2	1	7	1
	Total	98	5	6	11	11	10	4	8	- 9	10	9	7	8	
64	Males	59	3	3	6	5	8	2	5	7	4	4	5	7	
	Females -	39	2	3	5	6	2	2	3	2	6	5	2	1	
1	Total	108	11	9	12	7	5	4	11	11	9	8	11	10	
65	Males	69	10	3	6	4	3	8	6	8	8	6	3	9	
	Females.	39	1	6	6	3	2	1	5	3	1	2	8	1	
1	Total	97	9	5	6	14	6	3	8	8	9	6	13	10	
66	Males	53	5	3	2	7	4		5	6	3	3	6	9	
	Females.	44	4	2	4	7	-9	3	3	2	6	8	7	1	
	Total	101	5	11	6	11	7	4	6	5	16	9	9	12	
67	Males	60	3	5	4	6	3	1	4	2	9	7	6	10	
	Females_	41	2	6	2	5	4	3	2	3	7	2	3	2	-
	Total	110	. 4	3	13	13	12	7	8	5	14	13	7	11	
68	Males	69	3	3	8	9	7	5	6	4	8	6	3	7	
	Females	41	1		5	4	5	2	2	1	6	7	4	4	
	Total	92	4	6	4	11	12	13	3	6	6	7	11	8	
69	Males	49	2	4	1	6	7	5		4	2	5	5	7	1
	Females.	43	2	2	3	5	5	8	3	2	4	2	6	1	
1	Total	107	3	4	8	5	6	7	8	12	14	10	16	12	
70	Males	62	3	2	7	3	5	4	3	8	5	6	8	7	1
The state of the s	Females.	45		2	1	2	1	3	5	4	9	4	8	5	
	Total	74	6	3	6	3	12	5	4	9	5	7	4	10	
71	Males	46	3	1	4	1	9	3	3	5	2	5	3	7	
	Females.	26	3	2	2	2	3	2	1	4	3	2	1	3	
	Total	106	5	4	8	8	10	9	7	9	9	11	14		
72	Males	63	4	1	6	5	5		4	4	5	7	11	6	
	Females.	43	1	3	2	3	5	4	8	5	4	4	3	6	
	Total	81	8	1	4	6	4	5	8	9	12	13	6	10	
73	Males	45	1	1	3	3	2	2	4	2	8	9	5	5	
	Females.	36	2		1	3	2	3	4	7	4	4	1	5	
	Total	86	3	10	9	11	4	4	4	10	5	9		11	
74	Males	57	1	7	8	7	3	100	3	6	4	6	3	6	
	Females	29	2	8	1	4	1	2	1	4	1		2		
	Total	104	9	10	8	5	6		9		10			- 3	
	Males	52	2	6	4	3	3	5	2	4	6	3		31	
		52	7	4	4	2	3	1		5		9		3	
	Females.	02	1	4	2	2	3	5		0	4	8	6	3	

TABLE VI.—CONTINUED.—Deaths by Ages, by Sex, by Months.

AGES	Omer	YEAR,						MONT	ns, 187	8.					
IN YEARS.	SEX.	1878,	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk
	Total	82	3	6	3	.5	11	4	9	3	13	9	10	6	
76	Males	48	1	3	2	2	9	4	5	2	5	6	5	4	
	Females	34	2	3	1	3	2		4	1	8	3	5	2	
(	Total	65	5	6	4	12	5	3	3	5	3	5	7	7	
77	Males	33	2	3	1	6	5	- 3	1	2	3	2	3	2	
	Females	32	3	3	3	6			2	3		3	4	_	
1	Total	104	11	9	8	11	10	8	3	7	13	-6	10	8	
78	Males	55	9	5	*****	7	7	3	2	2	6	2	6	6	
	Females .	49	2	4	8	4	3	5	1	5	7	4	4	2	
(	Total	72	2	4	5	5	3	6	5	7	11	5	11	8	-
79	Males	39	1	3	4	4	1	4	3	5	3	1	5		
	Females.	33	1	1	1	i	2	2	2	2	8	4	6		
	Total	67	4	6	3	7	8	5	4	7	4	7	4	8	
80	Males	39	2	3	2	5	6	4	1	3	2	4	3	4	
111911111111111111111111111111111111111	Females_	28	2	3	1	2	2	1	3	4	2	3	1	4	-
-9	Total	47	3	1	1	4	5	6	2	9	7	1	4	4	
81	Males	24	1			2	3	3	1	7	2		2	3	
100000000000000000000000000000000000000	Females	23	2	1	1	2	2	3	1	2	5	1	2		
	Total	58	6	2	4	7	4	3	. 5	8	7		1		
82	Males	28	2		2	5			3	5	3	1			
-	Females .	30	4	2	2	2	2		2	3	4		1		-
	Total	34	2	1	2	2	3	1	3	1	4	3			
83	Males	20	1		1		1		3	1	8		1 7		-
COMMON CASE	Females.	14	1	1	1	2					1		1		
	Total	58	2	4		4	1 10		3	6					-
84	Males	35	1	2		4		1 8	1	3			1 3	1	
	Females.	23	1	2	******		2		1 3	1	1		100	6	
	Total	33	1	100	3	1	1		1	4					
85	Males	16	1			1		1	1			1			
85	Females.	- 17	1		3		2			3					-
	A CONTRACTOR OF	36			3	-			-					1	-
00	Total		1				5		-	2				1	
86	Males	16	1	1	1 2		2			1					-
	Females	20			1 1 9	1	3			1					
	Total	33	1		1				3	9				100	
87	Males	18	1	1	1	1				1 3				1	-
	[Females	15		1		******	3	3	1	2		9		1 3	

## TABLE VI.—Continued.—Deaths by Ages, by Sex, by Months.

AGES	1000	YEAR,					-3	MONT	HS, 18	78.					
IN YEARS.	SEX.	1878.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oet.	Nov.	Dec.	Unk.
	Total	30	3	3	2	2	-2	3		2	2	6	1	4	
8	Males	11	2	1	1			1				1	1	4	
	Females	19	1	2	1	2	2	2		2	2	5			
	Total	24	3	1	2		1	2	2	3	4		9	4	
9	Males	11	1	1	1					2	4			2	
	Females.	13	2		1		1	2	2	1		****	2	2	
	Total	28	2	1	1	2	2	1	3	2	2	1	3	3	
0	Males	11	1	****	1	2	1		1	*****	2		2	1	
	Females.	12	1	1	*****		1	1	2	2		1	1	2	
	Total	11		2		1	1	1	*****	4	1		****	1	
**********	Males	5		1		1		*****	*****	2			****	1	
	Females.	6	****	1			1	1	******	2	1				
	Total	6	1	1	******	1	******	******		1	1	1			
)2	Males	2					******	******		******	1	1	***		
	(Females .	4	1	1		1				1			****		-
	Total	5	1	****			******	1	2	******	******	1			
93	Males	1				******			2		******	1			-
	Total	3	*				******		******	1	1	1			-
94	Males	1					******	******		1		-05		-	-
	Females.	9		****		******	******	******	******		1	1			-
	(Total	5		1		1	1				. 1000			2	-
05	Males	2												0	1
	Females	3		1		1	1								
96	AL SHIPPING	2										1		1	
97		3										1	1	1	
	(Total	.5	1			1	1	1						1	
98	Males	1												1	-
	Females.	4	1			1	1	1							-
99	.Females .	1												1	
	Total	2					1				1				
100	Males	1					1								
	Females.	1									1				
	Total	2									1		1		
102	Males	1					*****				1				-
	Females	1											1		-

TABLE VI.—CONTINUED.—Deaths by Age, by Sex, by Months.

AGES	10000	YEAR,						MONT	ns, 187	8.					
IN YEARS,	SEX.	1878.	Jan.	Feb.	Mar.	Apr.	May.	Jane.	July.	Aug.	Sept.	Oet.	Nov.	Dec.	Unk.
103	.Females	1								1					
104	.Males	1												1	
107	.Females	1				1									
116	.Males	1					1								
	Total	201	10	16	16	19	13	20	10	18	16	12	19	22	1
	Males	114	5	11	6	9	8	11	6	11	7	7	11	16	
Juknown-	Females .	84	5	5	10	9	5	9	4	6	8	5	8	6	1
1	Unknown	3				1				1	- 1				

## INFANT MORTALITY.

This subject may be studied in Exhibits F and G, and Tables IV., V., and VI., on preceding pages, also in Exhibits 2, 3, 4, and 5, and Table VIII., following.

More still-births were returned for the year 1878 than for any previous year. Of all the deaths returned for the year 1878, 6.21 per cent. were still-births, and 2.26 per cent. of all the children born were still-born.

EXHIBIT 2.—The Relation of Still-births to All Persons Returned as having Died in Michigan during the several Years 1873 to 1878, inclusive, according to the Returns of Deaths for the Year 1873, and as per Returns of Deaths corrected by Returns of Births for the Years 1874 to 1878, inclusive.

	To	TAL DE	ATHS A	ND STIL	L-BIRTH	ıs.
	1873.	1874.	1875.	1876.	1877.	1878,
Total Number of Deaths	14,258	12,500	11,990	12,576	12,919	12,766
Number of Still-births	a 274	464	629	646	720	798
Per Cent. of Still-births to Total Deaths	1.22	3.71	5,25	5.14	5.57	6.2

<sup>.</sup> As per returns of deaths.

17-1878.

TABLE VIII.—Exhibiting, by Sex, the Number of Children under One Year of Age Returned as having Died in Michigan during the Year 1878; distinguishing the Months in which they were Roun in the Death, the Months in which they were Roun in the Death, the Death or in the Death, the Months in which they were

-					-									
	ED UN.	Total.	168	181	233	245	211	221	888	435	337	57.5	246	834
	ALL AGED UNDER ONE YEAR	Sex.	105	89	113	187	113	115	164	244	126	152	136	191
NTHS.	EAR.	Total.	65	62	11	99	46	860	45	55	44	12	=	1
DEATHS BY MONTHS.	OF THOSE BORN IN PREVIOUS YEAR.	Sex.	27	888	30	25.55	13	88	22	36	171	00 00	90 00	
TIIB	PR							.77	181					
Dr.	BORN IN DEATH.	Total.	103	119	161	179	165	183	243	36.3	565	260	935	33.1
	OF THOSE BORN IN YEAR OF DEATH.	Sex.	67	62	8.58	105	888	97	140	155	169	149	128	194
	O. Y.							'8	181					
each revi.	.ano	I						-77	.8T					
Number Born in each Month of Year Previ- ous to Year of Death.	Total.			7	10	6	56	56	37	10	09	81	100	120
Number Month o	No. of	Sex.		∞4	49	410	19	112	18	31 26	62 53	37	10	100
1	=	-	100 mg	04 4		00 H	-#1 00	01-4	400	9	001-	-4	00 00	40
DIA	10.		0101		001	60 00	101	60 4	03 60		11 6	0110		401
IN M	6	;	64.00	-00	FO 03	0110	800	00 00	400	2100	oo 4∗	t-10	40	44
t Age	00	5	400	104	1000	10	*"	60 04	89	20 23	60	-# 00	00.00	00 04
EAGI	7		21.	H00	∞ ∺	NO 60	10	44	9	10	-00	41-	04.00	1000
ED AT	9	5	60 00	φ to	6110	49	00 00	-# 20	21 00	16	91-	90	0110	40
ro Dr	45	5	0100	01-4	01-4	00 00	0010	010	80	15	10	-:	54	20 00
EN WI	4		10	1-10	60 4	49	11 20		12	15	13	0.0	101	20
HTTH	6	;	41.01	10 to	00 00	10	00:04	89	828	15.00	16	00 00	20.00	210
Number of Children who Died at Each Age in Months.	2		2010	019	90	00.00	19	10	17	19	11	13.8	99	010
MBER	-		SH	90	21	0110	120	64	∞ t+	26	22	22	10	920
	7		55	55	67	90	58	50	84	93	89	53.53	53	113
Блен Момти Белти,	No. of each	Sex.	130	110	123	119	130	129	140	128	121	103	88	113
NI OF	Sex.		Males	Males	Males	Males	Males	Males	Males	Males	Males	Males	Males	Males
NUMBER BORN OF YEAR	Total.	_	223	231	230	260	212	875	236	236	190	171	160	192
NUM	or.	Ye						.87	st					
Months in	and Deaths	Occurred.	January	February	March	April	Мау	June	July	August	September	October	November	December

=	1	-	1		10	1
					3,170	۱
	1			1,796	1	
Ī			533			İ
		285			-	
	2,637					
1,481						۱
11	-		-		-	
II			533		1	
		285				
410	6	555	80	50	86	۱
00 01	10	848	2	36	99	۱
22	80	88	73	198	103	ı
88	9	37	130	55	113	
200	20	31	20	200	105	ı
36	83	8133	45	68	127	١
88	86	120	31	60	111	ı
200	126	25	100	883	160	١
98	162	82	100	114	193	ı
102	195	12	16	98	211	
112	229	80-	6	125	538	
946	1614	11		916	1614	1
1,481	2,687		538		3,170	
Males	Total	Males	Total	Males	Total	The second secon
	2,637	-				
·82	st	-118	et	Ider		
Of those B .rn in	Death.	Of those Born in	Year.	All aged un	000	
	783	ov re	SHIVE	DE		

· Excluding I female, month of death unknown; and 48 deaths of persons of unknown sex, -49 in all

year 83.47 per cent, died during the year 1877-the year of birth-and 16.53 per cent, lived into the succeeding year. An for February and least for September. Of the children born in 1877 who died aged under one year, the per cent. is greater Exhibit 3 shows, by sex, the number of children who were born in each month of the year 1877 and died during each under one year who were born in 1877 to all children born in 1877. Of the children born in 1877 who died aged under one month of 1877, the number born in each month of 1877 who died in the months of 1878 under one year of age, the total examination of the exhibit shows that the per cent, of deaths of children aged under one year to the children born is greatest number born in each month of 1877 who died aged under one year, and, by months, the per cent. of deaths of children aged among males than among females,

te Number who Died during the Year 1877, according to the Returns, the Number who Died during the Year 1877; to Number who Died during the Year 1878, under One Year of Age; The Total Number who Died under One Year of 16; and the Per Cent. of Decedents Aged under One Year to the Children Born in 1877.

		Сип	CHILDREN BORN IN 1877.	ORN IN ]	877.		M	MALES BORN IN 1877.	181 NI NI	7.		FES	FEMALES BORN IN 1877.	BN IN I	377.
AND OF DEATH.	Births in 1877, as Returned.	Died during the Year 1877.	Died Aged under 1 Year during the Year 1878.	Total Died Aged under 1 Year.	Per Cent. of Deaths under 1 to Births.	Births of Males in 1877, as Returned.	Died during the Year 1877.	Died Aged under 1 Year during the Year 1878.	Total Died Aged under I Year.	Per Cent, of Deaths under 1 to Births.	Births of Females in 1877, as Returned.	Died during the Year 1877.	Died Aged under 1 Year during the Year 1878,	Total Died Aged under 1 Year.	Per Cent. of Deaths under 1 to Births.
	33,324	2,692	533	3,225	9.68	17,198	1,551	285	1,836	10.68	16,077	1,141	248	1,389	8.64
nary	2,212	245		245	11.08	1,187	139		139	11,11	1,021	106		106	10.38
bruary	2,246	289	7	986	13.18	1,192	164	02	167	14.01	1,053	125	*	129	12.25
arch	2,690	290	10	300	11.15	1,372	368	*	172	12.54	1,308	193	9	128	9.79
April	2,655	253	6	262	9.87	1,421	157	*	161	11.33	1,229	96	9	101	8.99
May	2,683	245	36	271	10,10	1,314	143	19	162	12,33	1,365	103	7	109	7.99
June	2,657	955	26	252	9,48	1,331	132	15	147	11,04	1,323	94	==	105	7.94
July	2,399	227	37	264	9.11	1,514	125	18	143	9,45	1,381	103	19	191	8.76
Angust	3,937	237	57	166	9,11	1,064	134	31	165	9,93	1,560	103	96	120	8,27
September	8,048	174	09	23.1	7.68	1,530	98	35	118	17.7	1,514	83	83	116	2.66
October	3,015	175	81	256	8,49	1,591	114	44	158	9.93	1,423	61	37	88	6.89
November	2,817	154	100	125	8.92	1,446	88	54	149	9,82	1,303	99	98	112	8.04
December	3,145	177	120	297	9.44	1,631	101	19	162	9.93	1,507	76	59	135	8.96
						The state of the s		7							

" Excluding 71 in unknown month,-34 males, 32 females, and 5 unknown sex.

- dow   2   2   2   2   2   2   2   2   2		'qudy   2   7   2   2   1   1   1   1   1   1   1   1	- Aux   2 0 0 7 2 2 2 1 1 1 1 1 1 1 1	ount   2   3   2   2   2   2   1   1   1   1   1   1	-Aine 8 0 01 01 01 01 01 01 01 01 01 01 01 01 0		100   5   / / / / / / / / / / / / / / / / /	AON   \$   =   0   0   0   0   0   2   2   2   1   1	1 1 2 12 12 12 12 12 12 12 12 12 12 12 1	. mal 8 1/4/0/4/0/0/0/0/0/0/0/0	100 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20K   =   3   0   2   0   0   1   0   0   E   E	midy   3		121111111111111111111111111111111111111		101-101-1		**X		8 V	A	Per()ent
- TO 2   5   5   5   5   5   5   5   5   5	902   \$   5   3		mady   2   7   7   2   2   ybup		-Yak   2   0   0   E   25   2   0   1   1   1   1   1   1   1   1   1	- Valve   2   2   2   2   2   2   2   2   2	- And   2   2   2   2   2   2   2   2   2	130   21   22   23   24   25   25   25   25   25   25   25	100   12   13   13   13   14   15   15   15   15   15   15   15	- Anne.   25   10   00   00   00   00   00   00   0			1   1   1   1   1   1   1   1   1   1	anne ger 10 10 10 10 10 10 10 10 10 10 10 10 10	1   1   1   1   1   1   1   1   1   1	1   1   1   1   1   1   1   1   1   1	1   1   1   1   1   1   1   1   1   1	1   1   1   1   1   1   1   1   1   1	Sample   S	1   1   1   1   1   1   1   1   1   1	1   1   1   1   1   1   1   1   1   1		
		1917/9/11 11 11 11 11 11 11 11 11 11 11 11 11		mady   2   2   2   2   2   1   1   1   1   1	April, 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	April	- UridA   5   4   2   3   4   4   4   4   4   4   4   4   4		Aline.  100   25   25   25   25   25   25   25	April. 12   12   12   12   12   12   12   12					All Sept.  1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Anne.    1   1   1   1   1   1   1   1   1	All Age	1   1   1   1   1   1   1   1   1   1	1	1   1   1   1   1   1   1   1   1   1	1	Ann	Warday   St.
The state of the s	mer =   =		20   2   2   2   3   Not	70 da	. April.	Anth	Talk		100   12   13   13   14   15   15   15   15   15   15   15	April. 15   25   25   25   25   25   25   25			Ank	April. 12	Alme.    1	Mar.   Mar.	1   1   1   1   1   1   1   1   1   1	1   1   1   1   1   1   1   1   1   1	1	1	The contract of the contract o	Annt   Annt	Ann   Ann

Exhibit 4 preceding page, shows the month of death of the children born in each month of 1877 who died aged under one year. Nearly half (48.25 per cent.) of all the children born in 1877 who died under one year of age died during the month of birth, as shown by the third column from the last, and 4.67 per cent. of all the children born in 1877 died during the month of birth, as shown by the last column. The average for four years, as shown in the corresponding exhibits for 1875, 1876, 1877, and 1878, shows that 43.55 per cent. of the children who die under one year of age die during the mouth, and 4.40 per cent. of all the children born die during the month of birth.

Exhibit 5 shows the relation of decedents aged under one month to children born in 1878, by months, by sex. The per cent. is greater for males than for fer 'eg; and among the totals the per cent. is greatest in December.

EXHIBIT 5.—The Relation, by Months, by Total, and by Sex, of the Decedents Aged under One Month to the Births in Michigan during the Year ending December 31, 1878.

		YEAR,						Mo	Момтив, 1878.	78.					
or .	SEX, ETC., SPECIFIED.	1878.	Jan.	Feb.	March.	April.	May.	June,	July.	Aug.	Sept.	Oet.	Nov.	Dec.	Unk.
	Births	35,162	2,201	2,414	2,836	2,987	2,805	2,797	2,855	3,295	3,260	3,266	3,061	8,423	32
Total	Total Deaths aged under one month.a	1,643	108	111	130	157	129	116	133	159	150	141	126	203	1
_	Per Cent, of Deaths to Births	4.73	4.91	4.60	4.58	5.35	4.60	4,15	4.60	4.83	4.60	4.32	4.12	06.9	3.13
-	Births	18,224	1,150	1,239	1,414	1,538	1,400	1,472	1,462	1,721	1,733	1,712	1,529	1,734	650
Males	Males Deathsaged under one month	946	19	26	09	06	69	64	18	98	88	85	79	113	-
	Per Cent. of Deaths to Births	5,19	5.68	4.45	4.16	5.85	4.93	4.35	5.75	5.40	5.14	4.79	5.17	6.44	
	Births	16,871	1,012	1,150	1,300	1,391	1,400	1,323	1,870	1,570	1,522	1,546	1,527	1,659	11
Females .	Females Deaths aged under one mouth	699	36	55	67	03	28	90	48	19	99	58	45	79	1
-	Per Cent. of Deaths to Births	3.97	3.56	4.52	4.83	4.31	4.14	3,78	3.50	4.08	3,68	3.43	26.2	4.76	60.6
Tratanama	Sirths	19	6	9	01	80	20	01	00	*	10	10	10	10	-
Current out	Deaths aged under one month.	88	10	60	00	-	01	01	1	01	10	9	61	10	-

. Still-births included.

## concerning them included in the Keturns.

NAMES			Married,		◀	ΑθΕ.		PLACE OF DEATH.	, Велтн.	DATE OF DEATH, 1873.	ATB,	Cause
CENTENARIANS, 1878.	SEX.	Color.	or Widowed.	Birthplace.	.втаэ У	Months.	Occupation.	Тожв.	County.	Month.	Day.	of Death.
Kewewayqua Kenabrick	Male	Indian	Married	Male Indian Married Michigan	116		Unknown Wayland Allegan May	Wayland	Allegan	May	7	7 Old Age.
Mrs. Gray	Female.	Black .	Widow	Female Black . Widow Kentucky	107	٠	Unknown Jackson Jackson April	Jackson	Jack son	April	8	20 Old Age.
Sophia Smith	Female	White.	Widow	Female White, Widow Pennsylvania.	103	10	Farmer's w'f Medina Lenawee August	Medina	Lenawee	August	21	21 Old Age.
Owen McEntee		White.	Widower	Male White. Widower Ireland	충		Farmer Lyndon Washtenaw. December	Lyndon	Washtenaw.	December	8	30 Old Age.
Margauretta Tinnan	Female.	White.	Married	Female White. Married Ireland	105		None	None Detroit Wayne November	Wayne	November	7	7 Old Age.
Mary Stanton	Female.	White.	Widow	Female. White. Widow Ireland	8		None Detroit Wayne September	Detroit	<b>Wayne</b>	September	2	21 Old Age.

Not stated.

th and the

EXHIBIT H.—Counties and Townships from which no Returns of Deaths for 1878 were received by the State Department, showing Population in 1874, by Sex.

, , , , , , , , , , , , , , , , , , , ,	TOWNSHIPS FROM WHICH	Por	ULATION,	1874.
COUNTIES.	NO RETURNS OF DEATHS FOR 1878 WERE RECEIVED.	Total.	Males.	Females.
Total		15,071	8,479	6,492
Antrim	Central Lake	535	301	234
<b></b> -	( Detour	221	131	90
Chippewa	Sugar Island	832	173	159
Iosco	Oscoda	1,001	629	872
Isabella	Rolland	213	153	140
Isle Royal	All Townhips	4	4	ı 1
•	( Ilendricksbc			
	Holmes	798	406	392
Mackinac	Newton be			
	St. Ignaceb	326	166	160
	(Cedarville	242	159	83
	Ingaliston	272	203	69
Menominee	Menomince	2,976	1,851	1,125
	Spaulding		1,001	1,120
Muskagan	Montagueb		740	
Muskegon		·	748	614
Schoolcraft	Munisingb	472	820	152
	( Onota b	517	309	208
Shiawasses	Burnsb	1,498	778	7:0
St. Clair	St. Clair	2,031	1,100	931
Wayne	Grosse Point	2,193	1,150	1,043

<sup>Returns received too late for compilation.
No returns from supervisor.
Organized since Census was taken.</sup> 

TABLE X.—Exhibiting, for the State and Counties, by Sex, the Number of Deaths Returned as having Occurred in Michigan during the Year 1878, and in each Month of the Year; also the Number of Deaths at each Period of Age.

1.	при при при при при при при при при при	201	114	84	60	-	-	:	00	to			01	-	1		1	1	1.1
1	S0 and over.	195	250 1	242	1	- 1	;	1	10	90	01	-	- 1	:	1	-	-	-	-
	75 to 80.	127	227	200	-		Ť	1	7	10	9	1	1	1	1	i	04	-	=
	70 to 75.	121	273	181		-	;	i	10	9	4	-	-	1	H	-	1	:	
	65 to 70.	208	300	805	1	1	i	i	16	10	9	1	1	-	1	1	1	1	
1878.	'g9 o1 09	139	264	175	1	:	i	1	16	6	-	T	-	1	1	1	-	-	
100	'09 ot gg	444	253	161	1	-	-	1	0	10	1	1	1	T	1	1	~		=
YEARS,	20 to 25.	383	511	169	1	-	1	-	17	63	30	1	-	-	1	1	-	-	
	45 to 50.	391	500	182	;	- 1	1	1	9	00	60	1	-	1	-	1	91	-	-
OF	40 to 45.	391	185	206	1	-	-	1	-	4	00	1	60	04	-	:	1	1	
TOD	35 to 40.	416	191	225	1	- 1	1	1	4	7	00	1	1	1	1	1	- 1	1	
PERIODS	.68 of 08	438	190	248		-	1	-	6	4	53	1	4	-	60	1	-	1	=
IN	25 to 30.	513	224	288	1	01	G4	1	=	6	01	1	04	-	-	1	64	61	-
AGES	20 to 25.	564	9.33	311	;	-	i	-	13	9	9	1	.00	-	01	1	1	1	
1	JS to 20.	430	201	986	1	-	1	-	90	64	8	-	00	00	1	-	-	1	-
	10 to 15.	418	198	220	:	- 1	1	1	00	00	10	1	-	1	1	1	01	-	1
	5 to 10.	79.1	385	406	1	01	04	1	65	12	17	1	1	1	1	1	00	4	4
	Under 5.	5007	2608	2260	49	90	10	00	96	40	55	-	38	22	21	-	10	10	2
	Unknown.	7	13	50	- 1	1	1	1	- 1	1	4	1	04	-	+	1	1	-	3
	December.	1369	727	632	10	01	01	1	33	19	13	1	4	64	64	1	01	04	1
	November.	1181	617	562	01	01	-	1	99	12	17	1	10	64	60	1	80	-	01
	Осторот.	1190	607	577	9	01	-	-	83	13	16	1	-	-	60	1	10	00	01
	September.	1343	169	645	7	60	810	1	31	15	18	-	0	2	4	-	*	00	-
1878.	August	1371	726	642	63	1	1	1	27	11	16	1	90	7	1	1	-	1	-
	July.	1017	528	488	-	61	-	-	18	9	12	1	0	4	-	1	01	-	-
MONTHS,	June.	870	441	497	01	04	-	-	53	7	16	-1	10	00	01	1	04	-	-
N	May.	933	484	437	04	01	-	-	17	12	10	I	-	-	1	1	*	04	01
	April.	1029	562	459	00	63	00	1	24	18	9	1	60	-	01	-	01	1	01
	March.	930	461	466	20	- 1	1	1	13	7	9	T	9	0	-	1	7	-	60
	February.	789	407	379	60	7	-	-	50	=	6	T	64	-	1	1	60	00	1
	-Vianuat	730	698	356	10	1	1	1	25	90	4	1	9	00	C4	-	1	-	-
	YEAR, 1878.	19,766	6,632	6,052	200	19	13	9	978	139	138	-	09	36	250	-	83	18	15
-		- :	_	_	u.	1	1	2	1	1	1	u.	1	:	1	n.	1	1	7
	SEX.	[ Total	Males	Females	Unknown	Total	Males	Females	Total	Males	Females.	Unknown	Total	Males	Females.	Unknown	Total	Males	Females
	AND COUNTIES.			State			Alcona			Allama	Augan			. Inone	A bena			Antrim	

TABLE X.-Continued.-Deaths by Counties, by Sex, by Months, and by Age, 1878.

1	Unknown.	1 :	1	1	-	-	1	01	-	1	;	1	1	10	-	61
	20 and over.	1 :	1	1	01	01	1	10	9	4	7	-	:	00	5	20
	75 to 80.	1 :	1	1	10	CI	00	- 1	- 1	- 1	- 1	-	-	2	0	40
	70 10 75.	1 1	:	1	-	40	01		-	:	- 1	- 1	1	7	00	6
	.07 of 50	1	-	-	9	01	7	10	-	- 1	- 1	1	-	=	00	6
	60 to 65,	1	1	1	-	4	00	4	9	10	-	1 1	:	=	1 6	8
1878.	.00 ot 66	1	1	1	-			-			-		1	17		
	.66 os 06.	1	1	1	10	4	9	9	7	G.	1	-	1	13	7	9
YEARS,	45 to 50.	-	7	1	60	01	1	6	9	20	1	-	1	G	5	*
ao.	40 to 45.	1	1	1	7	00	*	9	-	CA	- 1	-	-	7	00	4
TODS	85 to 40.		-	1	80	1	01	00	00	2	04	-	-	00	G4	9
PERIODS	.68 of 08	1	1	1	01	-	04	0.	-	-	1	1	-	14	7	7
N	25 to 30.		1	1	-00	CI	9	2	1	7	1	1		12	01	60
AGES	20 to 25.	-	CI	04	10	64	00	7	60	*	-	1	-	19	9	10
4	15 to 20.	64	-	-	7	-	00	22	00	9	1	-	-	14	0	2
	10 to 15.	1	-	1	-	-	1	G4	1	04	- 1	1	:	7	5	CI
	5 to 10.	04	C.	1	10	4	9	19	9	10	1	1	-	19	00	11
	Under 5.	14	60	11	49	25	24	135	83	52	9	4	64	115	65	4.8
	Unknown.	1	-	:	- 1	;	1	- 1	:		- 1	1.	- 1	-	1	1
	December.	-	-	1	90	4	7	22	6	13	7		-	53	16	17
	November.	-	-	63	16	7	6	55	16	6	1	-	1	29	13	16
	October.	-	-	1	14	8	10	8	20	6	01	-	-	35	18	15
	September.		-	-	12	1	2	86	16	12	-	-	1	65	14	18
1878.	August.	93	-	01	17	9	7	36	16	20	-	-	1	88	15	13
	July.	61	-	_	4	1	4	20	80	12	-	1	-	13	15	9
MONTHS,	June.	4	01	61	6	20	9	22	18	03		_	1	20	6	=
N	May.	-	-	1	14	1	1	13	10	00	-	1	_	64	77	6
	April.	7	1	63	15	5	10	10	1	10	-	-	1	50	17	11
	March.	-	1	-	0.	75	10	63	38	80	01	-		27	13	14
	February.		1	1	13	00	10	0	*	10	64	G4	-	22	5	13
	.Tannat	G4	-	-	00	00	0	39	20	1	-	-	-	15	10	7 -
3	YEAR, 1878.	53	0	14	139	63	76	247	142	105	13	3	4	813	161	150
-	SEX.	Total	Males	Females.	Total	Males	Females.	Total	Males	Females	Total	Males	Females	Total	Males	Females
1	COUNTIES.		Baraga		1	Barry		-	Bay			Benzle			Downton	

4 01 01 :	F 00 00 1	2 7 60	61 11 11	4 01 04 ;	01 1 01	01 01
4 80 50 ;	2 8 6 ;	8 40 60	:	1 1 1 1	- 1 -	1 1 1 1
0 - 8 :	E 8 8 :	00 44 44	1 1 1		111	1111
3 :	1 1 9 1	I 80 10	- 1 -	- 1 - 1	00 - 04	1 1 1 1
F 4 00 ;	m & m ;	C 10 4	01	O :	1 4 1	1 1 1 1
10 0	81 6	4 60 11	01		111	
00	11 4	20 04 11	01 01		01 01	
80 1- 1-	B 1 8	60 61 17	1111	-   -		7   7
0 4 0	0 20 1-	ю ч.4	01 H H	TIT		TITI
ED 80 80	= 00 00 .	C1 10 -1	111	1111	F 7	
0	w + - !	F- 00 4	111	11	111	1111
	2 0 0	0 - 4	111	-1-1	00 OI H	1111
- 01 01	E 10 00	00 - 4	-   -	01	01 01	TITI
0	N 20 01	2 4 1	-   -	C4   24		
1 2 2	1 10 01	7 6		0 4 0 1	63 69	TITI
10 10	00 C4	s s 10	01 01	0 01 1- 1	-   -	
2 8 2 1	3 20 30	88 45 88	11 8 9	18 19 19	8 13 8	25 4 8 4
IIII	7711	111	1 1 1	01 :	111	1 1 1
54 80 44 i	10 9	82 02 8	7   7	00 64 00 ;	01	01 1 1
7 7	30	9 9		# - 60	55 × 10	01 01
8 6 6	9 - 11 -	12 12 14	60 60	8	10 10	eo es = ;
1 1 1 8	1 2 2 1	32 1 23	D 01 4	10 00 04	40 04 00	1111
3 2 2 2	19 19 16	25 7 8	2 4 11	1 8	0 4 10	01
12 2	111	18	4 01 31	10 20 01		0
I 80 83	18 10 8 ::	10	01 01	NO 80 CH	63 64 14	1111
10 10	16 16 8	15 7 8	01 11 11	01   01	111	7 04 04
8 7 7 7	9 11 11	90 11 6	4 01 01	30	111	-   -
50 0	9 9 7	1 4 7	-   -	4 1 80		-     -
12 8	9 11	8 4	9	1 4 1	61 61	-111
0 0 0	1 2 2	11 6	-   -	10 61 10 [	111	63 -1 69
204	200 126 131 3	223	14	38 38	41 25 16	1 9 0
Total Fomales Unknown	Males Females	Total	Males	Total Males Females	Males	Total Males Females Unknown
Branch	Calhoun	Cass	Charlevoix.   Males	Cheboygan.	Chippewa   Total	Clare

TABLE X.-Continued.-Deaths by Counties, by Sex, by Months, and by Age, 1878.

													7						
	Unknown.	01	:	64	- 1	1	:	G4	04	1	10	00	01	O.F	01		:	1	1
	80 and over.	0	20	4	-	-	-	1	1	1	=	60	00	0.1	01	1	=	9	00
	75 to 80.	9 12	2 7	100	- ;	-	-	1	-	1	8 9	-	01	-	:		133	00	7 8
	70 to 75.	91	0	1-		1	-	01	-	-	15	0	00	100	04	-	18	7	- 00
	.07 of 69	80	10	100	-	+	1	04	-	-	10	01	00	-	-	-	01 9		-
	_ 60 to 65.	00	-	-		-	-		-		20	-	9	-	-	-	13 15	11 0	-
1878.	.05 of 63.				1	1	1	- 1	1	1	-			- 1	1	1	-		
	50 to 55.	00	1	04	1	1	1	1		1	9	00	9	4	1	*	800	61	-
YEARS,	45 to 50.	*	1	7	1	1	1	03	1	01	10	+	-	-	7	1	10	20	0
	40 to 45.	11	60	90	-	1	1	90	00	1	9	64	*	10	06	-	10	*	9
ODS	35 to 40.	2	04	10	-	1	1	-	-	-	9	*	G4 .	-	-	1	6	1	G.
PERI	30 to 35.	10	0.9	00	1	1	1	10	4	-	9	-	00	-	-	-	11	7	22
IN ]	25 to 30.	03	-	04	1	1	1	01	-	1	11	00	00	-	1	-	23	7	0
AGES IN PERIODS OF	20 to 52°	13	10	00	1	1	1	1	1	1	12	04	10	20	-	G#	10	10	11
A	15 to 20.	12	9	9	1	1	1	04	-	-	12	10	7	00	-	04	7	00	7
	10 to 15.	=	10	9	1	1	1	1	-	1	15	6	9	-	1	-	11	04	0
	5 to 10.	04	10	=	- 1	-	1	60	04	-	66	13	16	-	-	1	12	01	10
	Under 5.	98	57	36	*	203	-	16	10	9	94	47	47	88	21	17	105	49	99
	прквомр.	1	:	. 1	1	1	1	-	1	-:	-	-	1	- 1	1	-	- 1	1	-
-	December.	83	15	14	1	1	1	21	-	-	12	6	18	10	20	10	100	10	16
	November.	555	139	16	1	1	1	10	10	1	127	11	16	01	61	1	-63	00	13
	October.	98	14	16	1	1	1	9	10	1	60	15	16	-	7	00	31	12	19
	September.	22	15	9	-	-	1	7	*	00	3.4	15	19	*	-	*	31	16	15
1878.	August.	20	6	7	-	1	-	-	80	-	58	16	12	14	1	1	388	10	19
	July,	121	10	14	1	1	1	CI	64	1	13	0	10	1-	*	6.3	27	77	13
MONTHS,	Jame.	25	16	9	-	1	1	-	-	1	10	8	10	00	-	01	26	11	13
M	May.	0	9	00	-	1	1	60	1	60	17	00	6	11	9	10	16	1	2
	April	16	6	7	1	-	1	1	-	1	16	11	10	9	01	*	83	15	70
	March.	14	4	10	1	1	1	01	1	7	21	9	15	*	60	177	253	15	00
	February.	15	*	11	-	1	1	4	6.3	-	13	6	*	61	04	-	14	*	10
	January.	15	-	90	04	O1	1	9	00	00	90	9	14	00	-	60	19	10	6
-	XEAR, 1878,	217	125	122	4	00	-	4.9	28	14	273	125	148	99	36	30	306	149	157
	SEX.	Total	Males	Females.	Total	Males	Females.	[Total	Males	Females.	Total	Males	Females	Total	Males	Females.	Total	Males	Females.
	COUNTIES.		Clinton	+		Crawford   Males			Delta			Eaton		-	Emmet			Genesee   Males	

					4 5	
111		00 H 04	8 6 4	9 80 80 1	2 64 1	Of 04 :
111	+ + 00	:	2 - 4	1 1 1 1	01 01 ;	00 1-
	1.11	!	4 55 -	61	4 4 1	0 4 01
111	20 01 -	00 01 -	11 13	******	01   01	6 8 4
1 1 1		00 01 11	7 11 2	D 00 00 1	00 - 01	0 4 4
- 1-	01 01	09 01 -	12 6		01 01	20 00 01
111	61 61	- ! -	(D (M) (M)	- 60 61	- 01 01	0 0 0
111	01 - 11	64   64	10 4 4	8 8 8	01	01 01
111		4 1 4	10	10 10	00 00	0 0
111		01   01	000	F- 00 -4	9 H W	
!	01 01	-   -	13	1 10 01	4 - 10	00 4 4
!	80 H 64	NO 20 01	16 0	00 00	0 04 4	50 FT 04
111	60 m 64	01   01	12 13	B 4 64	- co -	13
111	60 H 04	9 4	35 2	60 00 00	4 1 10	0 00 00
TIII	01	51 10 to	31 = =	1 6 13	4 ~ 00	2 5 g
ED 01 17	8 10 8	2 8 8	8 8 8	170 96 71 8	30	38 42
111	1 1 1	111	1 1 1	- 1 - 1	11.1	1 1 1
111		2 0 0	12 12 16	20 20 11 11	4 0 0	13
!	4 - 00	8 8	12 22	15 15 15 1	7	3 9 1-
!	£ 4 10	2 04 <del>4</del>	2 2 21	11 11	0 0 0	12 9
!	10	13	13 13	18 18	Q 70 83	8 9 9
- 01 01	4 00 11	6 6	16 8	13 22 55	13 8 0	8 8 8
TIII	@ 01 4	12 6	13 x 12	12 12 13	2 4 0	7 00 00
TIII	60 04 m	@ 0i *	10 4 01	2 2 1	= 80 80	00 40 00
TII	60 60	P 10 01	119	8 2 8 :	10 40 CH	2 - 2
TIII	20 m 04	4 01 01	1 1 18	2 6 6 7	(a (a) (a)	10 0
TII	00 1 00	51 4 8	8 2 2	g - 0	0 - 4	9 6
TII	80 Ot -	4 01 01	2 = 2	0 9 + 1	64	2 2 2
111	01 01	t- 00 4	12 12 13	13	to 04 H	10
P 10 01	<b>4 8 8</b>	50	146	263 155 3	101 54	108
111	1 1 1	* * *	1 1 1	1 1 1 0	1 1 1	1 1 1
ales.	sales.	s	les.	ales.	s	1
Total	Total	Total Males	Total Males	Males Females	Total	Total Males Females
	90					
dwin	Gr. Traverse Males	Gratiot	Hillsdale	Houghton	Huron	Ingham

TABLE X.—Continued.—Deaths by Counties, by Sex, by Months, and by Age, 1878.

1 1 1	00 00 10 1	10 01 H ;	:	SEX, BY MO	111	00 ; 00	1
1 1 1	10 7 11 15 15 11 11 11 11 11 11 11 11 11 11	1111	1 1 1	P 40 61 ;	60 - 64	8 25 28 27 14 14 14	-
111	8 :	DO 04 ;	1 1 1		00 00	55 80 75 01 T	-
: : :	9 9 9 ;	- : - :	1 1 1	0 0 4	:	200	1
1 4 1	2 4 1	1 1 1 1	1 1 1	8 4 64		2 4 11	1
111	8 = =		!	00 4 4	- 01 01	55 1- 80	1
	8 7	01 7 7		4 60	-   -	∞ ∞ i	1
111	2 - 4		01 01		7   7	17 7 10 10	1
7 1 7	11 14 1			60 60	00 04 14	13	1
771	12 6		G1   G1		-   -	9 61 7	1
111	12 12		G1 G1	-40	80 04 17	0 8 7	1
111	12 12	1111		- 10 +	-   -	11 7 7	1
	10 10 17		!	@ e3 e3	01 01	12 14	1
	8 4 81	G1 G1	-   -	F 4 00	63 12 64	15 9 6	****
111	12 S	1111		0 20 0	4 - 0	2 4 10	-
D - C1	4 6 8 1	61	4 01 31	0 0 4	-   -	11 4	-
2 0 0	217 106 108 8	36 20 15	9 0	11 48 48	7 8	8 88 88 °	-
1 1 1	01 1	1 1 1 1	1 1 1	11	1 1 1	1 1 1	1
1 24	98 19 88	4 00 11		18 10 8	co 00 00	11 15	1
	34 28	00 01 17	4 00 m	10 10 8	0 0 4	55 55 69	T
H 04	19 89	-   -	60 to 61	98 8 !	NO 04 00	23 I 21	-
e 01 01	22 22 24	50 - 01		13	10 01 00	12 89 52	
0 - 01	88 88	60 m 64	04 17 17	13 25	F- 00 -	20 25 25	I
0 04 14	24 25 1	10 04 00	!	GI 80 +	2 1 4	10	T
111	\$ 2 2	9 4 4 4	ED 04	2 0 0	111	12 21 11	T
	4 3 8 1	007	111	11 8	13 01 03	30 12 17	7
117	9 8 8 1	t+ 10 ct	01 01	1 20 13	00 PH 01	16	-
	3 8 8	1 1 1	00 00	2 2 2 1	+ co =	36 17 17 19	-
111	1 10 1	60 00 00	7 17	F 00 -1	111	95 00 15	T
111	1 18	4 00 11	-   -	0000		05 51 8	
9 0 0	291 291 3	20 00 11	21 8 H	102	9 8 6	330 167 162	
Males	Total Males Females Unknown	Males Females	Total Males	Total Males Females	Total Males	Males Females	- Common of
Kalkaska Males	Kent	Keweenaw .	Lake	Lapoer	Leelanaw   Males	Lenawee	

" No returns from the county clerk to the State Department,

TABLE X.—Continued.—Deaths by Counties, by Sex, by Months, and by Age, 1878.

1	Опкломп.	1 04	, 01		-			-	- 1	1 1 1	0 0
1	SO and over,	1	10 1-	1 1	;	18	0	-	1 -	1 1 1	- : -
	708 01 02	10	95 E	- 1	-	9 6	-	-	1 =	1 1 1	:
	70 to 75.	1 00	0 0	4 1	1	9 1	90	04		- 1 -	
	65 to 70.	1	04 60	- :	-	22 80	19	01	01 ;	- : -	1 ( )
100	.60 to 65.	10	00 00	1 1	1	6 9	20	1	1 1	1 1 1	0 0
1878.	.09 os 66		H 60		1	10	10			111	1- 00 <del>4</del>
	50 to 55.	-	0 0	11	1	13	*		- 1		
YEARS,	45 to 50.	00		11		\$ 61	7				
AO	40 to 45.		01 7	99	60	10	9	10	7	!	r = 0
PERIODS	35 to 40.		20 04	11	1	40 01	04				0 4 1
PER	30 to 35.		1 1	11		10	7				F 60 61
K	25 to 30.	6	4 10			14	7	9	00 00		r 10 01
AGES	20 to 25.	1 4	01 01	01	01	12	2	70	10 01	111	r + m
1	15 to 20.	4	00 -	01	01	12	60	61		111	0 00 00
	10 to 15.	4	01 01	1		00 01	9	-	1	111	0 0 4
	5 to 10.	1	02 4			00 01	3	-		111	15 7 8
	Under 5.	3	81 81	01 01	-	82	50	67	25 25	20 01 17	136
	Опкломп.	-	: -	1.1	1	1_1	1	1	1 1	1 1 1	1 1 1
	December.	13	4 0	11	1	23 23	11		m m		28
1	November.	16	0 1		1	33	16		0 -	111	17 17
	.табозэО	60	12	11	1	23 25	13		0 -		13
1	September.	= '	9 10	01 -	-	32	19		00 00		25 25 25
878.	August.	10	9 4	4		21	16		- 60		25 25 00
Монтнв, 1878.	July.	10	4 9	64		E 23	10	-	2 43	64 17 17	81 = =
ONT	June.	13	9	- 1	-	14 8	9		, n	-   -	11 11 6
N	May.	15	9 6		C4	10	7	11	4 1-	!	16
	April.	17	7		-	17	-		4 01	111	1 1 2
1 8	March.	00 0	24 10	11	1	99	15		D 50	01	0 0 0
	February.	10	4 9	11	1.	10	9	60 (	2 7	111	0 - 4
	January.		9 9	01		14 8	9	4	1		16 16 8
	YEAR, 1878.	156	84	15	=	279	132	84	3 8	Ø 23 43	141
	SEX.	Total	Males	Total	Females.	Total	Females.	Total	Females	Total	Total Males
	COUNTIES.		Livingston   Males	Mackinac		Macomb			Manistee	Manitou	Marquette   Males

01 01 1						
1 1 1	01 01 1			1 1 1	7 0 7 1	00 00 00 1
1 1 1	- : -	1 1 1		1 1 1	9 0 1	00 1 00 ;
04 04 ;	H ; H	1 1 1	1 1 1	1 1 1	0 0 0 1	9 + 0 :
4 4 1	01 11 11	111	01	1 1 1	55 00 FE :	0 - 4 :
10 00 01	4 00	1 1 1	60 61 -	- : -	8 1	4 00 11
01 01	01 01	111	- ! -		8 !	P 10 01
- 1-	60 65 1-	111	60 H 04	111	0 00 00	01 1
* 00 11	01 m m	01 01	-   -	111	0 0 4	∞ <del>4</del> 4 i
00 00 ;	01   01	TII	!	111	P 01 10	00 - 01
00 01	01 01	iii	01		000	000
- 1 -	60 00	111	D2 P4 04		21 00 00 1	1
09 04 ;	00 m 04	1 1		1	1 8 8 1	00 01 00 1
E1 1 01	00 1 00	111	01	1	1 10 01 1	1 2 6 1
		7 7 7			0 0 0 1	F 01 10 1
01 01 1	00 - 01		01 1 01		1 0 1	1 CG 10 CH
	4 01 01		1		1	
7 1 7			00   00		11 6 5 !	L 4 20
23 23 8	14 18 18	Ø . eo . eo	15 15	51 0 5	129 61 65	37 37 29
1 1 1	1::	1 1 1	1 1 1	1 1 1	1111	- 1- 1
01 5 8	0 0 0	-   -	D 00 30	or	13 13	11 8
9 9 1	O 4 01	G1 Q1	0 1 4	00 01 19	8 8 8 1	10 10
- 01 01	4 50 11	111	00   00	01 11 11	88 11 13 1	SI 6 ES 1
00 to 00	55 to 80	TIT	21 0 12	40 01 01	4 81 8	11 18 1
60 64 14	10 H 4		10 - 4	F 03 4	8 8 8 1	1 8 1
4 01 01	0 01 4	:	20 01	111	1 1 1 1 1	8 4 2 1
50 m 01	00 00	TII			10 10 1	2 5 2 1
60 64	© ≠ €1		(D (G) (G)	1 1 1	8 7 7 1	1 8 7 1
- 9 -	(D 00 00	1 1 1	4 11 02	01 11 11	CD 201 10 -	1 6 12 38
		111		-	8 2 8 7	
60 H 01	4 - 10	7   7	4 - 0	111	9 19	11 6
4-1	63 L 61	01	01 01	111	8 1 1	10 10 8
000	w + +	111	-   -	111	12 4 1	0 8 0 :
2 9 2	31 31	30 W 80	18 18	E 1 8	310	198 101 101
-				1 1 1		
68	98	es.	es.	es.	es.	es.
Males	Total Males	Menominee   Males	Total Males	Missaukce Males	Males Females	Total Males Females
	FN			E A	H A D	
Mason		nee.	Midland			Montcalm
n n	DSC	omi	and	aul	roe	tea
Las	Mecosta	fen	MId	diss	Monroe	Kon
	-	194	-	-	-	-

TABLE X.—Continued.—Deaths by Counties, by Sex, by Months, and by Age, 1878.

1	COUNTIES. SHX.	[Total	Muskegon Males	Females	Total	Newayer Anales		Unknown	[Total	Males		Unknown	(Total	Oceana Males	Females.	OgemawFemales	[Total	Ontonngon Males	Formaloa
	YEAR, 1878.	171	88	88	78	43	33	6,	331	172	156	60	16	33	43	40	52	14	10
2	January.	6	7	C4	7	C3	01	1	17	6	80	+	60	-	04	1	-	:	7
	February.	13	10	00	-	00	60	-	21	133	90	1	60	-	C4	1	10	-	7
	Aprill.	13	90	10	1-	1/2	01	1	88	14	14	1	60	01	-	1	-	04	0
-	May.	14 1	9	00	9	-	01	1	175	16 1	01	1	00	7	7	!	*	04	0
MONTHS,	June.	11 11	4	00	9	75	01	1	19 26	10	9 18	1	10	01	60	7	01	-	
	July.	1 15	5 9	9 9	60		63	1	97	60	3 18	1	4 11	9	01	1	01	01	
1878,	August.	94	11	13	7	50	*	1	40	24	18	1	10	-	*	1	1	-	
	September.	30	0	11	64	-	-	1	37	21	15	1	00	9	Ce	1	1	1	
	October,	13	00	10	10	10	20	-	24	13	12	1	6	*	0	1	01	1	-
	November.	11	7	7	90	9	01	1	27	13	15	-	0	04	00	10	G4	-	-
	December.	16	13	*	- 63	-	*	-	88	24	17	1	15	00	6	1	-	*	-
-	Unknown, '	1 :	;	1	. :	1	:	1		1	-	-	:	:	1	:	-		
	5 to 10.	80	43	37	84	18	14	C1	78	30	SS 1	1	27	130	14	01	14	6	- 1
	10 to 15.	1 1		01	10	01	:	-	- 12	10 1	=	1	93	_	01	- 1	-	1	-
	15 to 20.	1 00	-	00	01	.04	-	-	11 11	10	4	1	60		69		00	-	
AGES IN	20 to 25.	0 9	10	01	4	-	60	i	18	4 10	7 8	1	60	8	60		64	:	
	25 to 80.	14	-	7	64	-	-	1	13	00	10	1	60	-	04	-			
PERIODS	30 to 32.	1		0	4	01	04	1	10	00	1	1	10	:	10	1	-	1	
tons	.01 of 68	000	60	60	i	1	-	1	-	60	*	1	*	1	00	-	-		
OF	40 to 45.	10	04	20	9	60	00	1	123	*	00	1	-	-	1		01	1	
YEARS,	45 to 50.	1	-	.00	0.4	04	1	1	10	40	1	i	40	04	00	:			
	.65 ot 05.	1 "	60	-	1	-	1	1	10	0	10	1	-		-	1	0	09	
1878.	.09 of 55	1 00	800	1	01	1	-	1	13	7	9	-	80	Q	-	1	- 00	100	-
	,60 to 65,	1 01	-	-	:	_	_	:	-	_	-	:	00		-	;		-	
	.07 o3 65 70 to 75.	1 00	-	2	61	_	-	-	94 19	16 13	8	:	00		-	- :	-		
	75 to 80.	03			04	-	1	1	- 69	55	_	- 1	_ 3			-		:	:
	S0 and over.	1 -	-				61	:	00	_	_	:	-		01			:	

7.4		m m 10		-			
61 1 01	-	8 4 8	= 1 1		6 9 6 9 6 9 6 9 6 9	4 8 1 1	1 1 1
1 1 1	1	10 00 01	1 1 1	1.	3 6 4 10	4 80 1 ;	1 1 1
:	-:	= 0 0	111	1	00 4 4 ;	01 ;	111
co	1	4 01 01	:	1	3 :	T 01 01 ;	111
01	1	5 7 6			2001	9 4 01 ;	1 1 1
III	1	0 4 04	111	-	10	10 00 01	TIT
	1	0 0 4	111	1	1 4 7	7711	TIT
04	1	00 - 4	111	1	10 10 10	* 00 11	111
O H H	i	10 00 04	111	1	S 0 8	01 1	111
EO 64 H	1	4 01 01	1	i	8 11 8	10 10	111
ED F4 C4	1	00 -4 -4	- : -	1	5 0 0	Titi	111
60 60 FD	-	1 9 9	- ; -	01	1 12 12 1	0 0 1-	1 1 1
60 1 00	-	0 + 0	1 1 1	:	8 2 2 1	4 01 01 1	1 1 1
111	-	2 7 1		-	1 10 11 25	10 01 00 ;	111
1 1 1	1	80 to 11	1 1 1	-	13 80 1- 1	01 01 : 1	111
01	1	2 4 4	111	-	25 22 23 1	01 1- 10	
50 55 55	C1	50 50	00 01 1-	-	1	30 30	39 - OI
1 : 1		0 0 0			84 64 65		
0 0 0	-	2 2 2		-	32 28 :	- w w i	
- 4 0	-	19 19 19 19 19 19 19 19 19 19 19 19 19 1	01	-	9 6 6 :	8 6 6	- 1
0 4 9	-	10 11 11 11 11 11	01 11 11	01	2 2 2 2	1 1 1	
7 0 1	1	9 1 8	00 ; 00	-			
9	1				32 23 2	10 10 4	
6 6 19	1	1 13		1	5 6 5	10 00 01	1
-		13 10 10 8			27 19		7 - 1
01	1	18 10 8	-   -	-	18 33	21 - 70	
P 01 10	1	20 8 51		-	11 11 11 11 11 11 11 11 11 11 11 11 11	12 6	
- 01 01	1	8 51 8	40 00 04		2 2 7 7	8 8	
60 OI H	1	18 8 01	4 01 01	-	19 19	0 8 64	111
- 01 01	1	10 10		1	120	æ 4 €1	
9 9	1	36 16 16 10	7   7	1	28 7 12 :	4 01 01	111
8 4 4	01	133	11 15	9	265	135	- 01 01
111	3	1 1 1	1 1 1	1	: : ; ; ;	1118	111
Total Males	OtsegoMales	Total Males	Presq'e Islo Males	RoscommonMales	Males Females	Males Females	Schoolcraft Males
ale	ale	alcar	ale	ale	ale ale sme	ale sme	ale
T. K.	M.	T N	T M	N	FE	FE	FRE
	1		10	n.		1	4
Osceola		Ottawa	SI.	оши	Saginaw	Sanilac	ra
nola	08	WA	9,6	ош	nu v	lac	olo
900	tso	tta	res	080	iso I	na	cho
0	0	0	H	H	Ø	00	on.

TABLE X.—Continued.—Deaths by Counties, by Norths, and by Age, 1878.

1	TABI	DUE	4	1	COON	N I	OED.		Dearing		ho	Counties	22777		ce ho	Dec.	60	monens,	6110	пип	a on	_	aye,	1010	0						1
					1		4	MONTHS,		1878.					-				AGES	NI 8		PERIODS	AO	YEARS,	18, 18	1878.			+		
COUNTIES,	SEX.	YEAR, 1878.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	5 to 10.	10 to 12.	15 to 20.	20 to 25.	25 to 30.	30 to \$5.	32 to 40.	40 to 45.	45 to 50.	.50 to 55.	.09 of 55	.60 to 65.	.07 ot 58	70 to 75.	20 and over.	Unknown.
	[Total	187	6	6	=	07	15	00	2	14	15	34	22	22	-	89	1 10	93	1 1	1 00	00		-	000	10	100	1 0	10	1 00	1 -	1 10
Shiawassee   Males	Males	7.1	1	0	6	64	6	01	30	8	13	9	00	00	1	95	03	01	21	00	00	01	91	_	00	9	20	-	1	-	1 8
	Females.	99	00	-	24	00	9	9	01	.00	00	00	10	10	-	13	00	+	10	2	9	64	Q1	61	61	*	0.5	-	-	20	60
	Total	319	21	17	19	10	16	25	1 23	40	19	25	100	20	-	131	18	10	9 17	11	12 10	11	10	0	11	13	16	7	0	12 13	1
St. Clair   Males	Males	171	9	=	13	1	16	16	12	18	=	50	7	27	1	735	9	00	8 13	12	6 5	1	00	01	9	00	10	10	-	2	- 1
	Females.	148	12	9	9	3 12	10	0	11	31	00	17	50	23	1	1 89	21	1	9	10	9	4	1	90	10	*	10	*	01	2	- 1
	[Total	204	10	11	17	12	19	10	13	82	25	81	16	81	-	49	17	60	13	14	6	00	7	90	9	90	10	77	133	00	4
St. Joseph   Males	Males	102	7	00	6	-	-		2	8	10	12	12	6	-	55	7	-	6	10	50	!	2	*	-	01	4	10	-	10	-
	Females	102	00	0	90	10	12	10	9	13	7	10	4	13	1	25	01	21	4	6	9	00	01	7	61	9	9	*	0	200	10
×	[ Total	150	4	10	11	15	18	9	7	15	14	6	15	24	91	09	*	-	01	-	6 9	11	7	90	*	Q1	6	500	04	-	-
Tuscola Males	Males	79	1	9	00	-	12	00	20	9	1-	00	10	11	1	333	00	20	-	80	1	68	01	1	01	64	7	8	-	9	01
	Females	11	00	4	60	11	9	00	01	6	7	9	10	10	g.	- 12	-	4	-	4	9	6	01	20	01	1	01	01	-	-	
	[ Total	248	19	17	13	91 19	10	10	15	23	35	23	21	85	1	73	61	*	11	=	9	91 9	4	12	00	35	90	8	92	17.	50
Dunen.	Males	135	*	11	9	90	3 12	00	6	13	20	10	120	81	-	11	11	21	40	00	.01	-	01	10	12	12	-	10	20	10	1 3
an Duren.	Females.	112	00	9	7	1	1	=	0	10	15	120	8	10	:	31	×	01	*	00	4	12	01	01	*	63	*	20	90	10	01
	Unknown	1	:	-	1	-	-	-	1	-	-	7	-	-	-	1	-	-	-	-	-	-	-	-	-	***	1	1	-	-	1

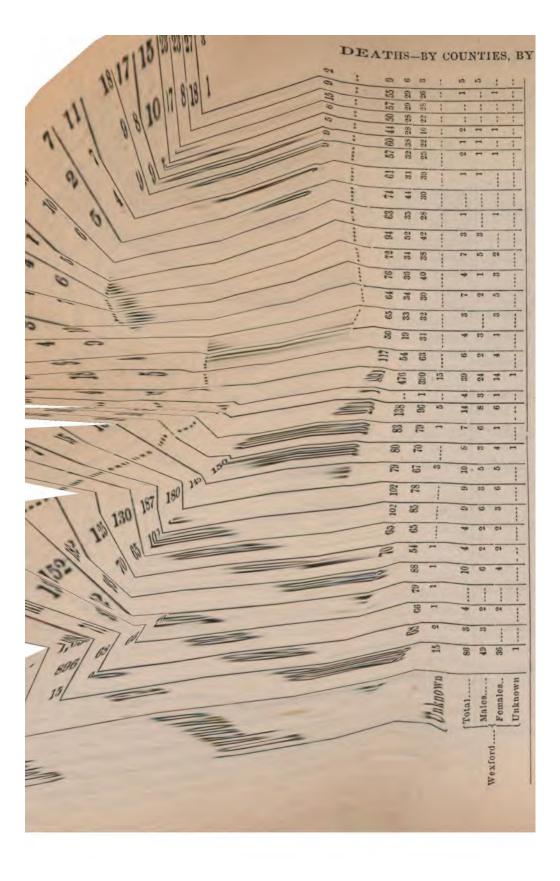


EXHIBIT I.—Counties and Townships in which it is Reported that no Deaths Occurred in 1878, showing Population in 1874, by Sex.

	TOWNSHIPS HAVING	Port	LATION	, 1874.		TOWNSHIPS HAVING	Popu	LATION	r, 1874.
COUNTIES.	NO DEATHS IN 1878.	Total.	Males.	Fe- males,	COUNTIES.	No DEATHS IN 1878.	Total,	Males.	Fe.
Total		9,270	5,186	4,084		Eden	1000		
Alcona	Comins				Mason	Summit	131 271	73 148	58
Alpena	Ossineke	110	78	32			153	88	123
	(Forest Home	242	133	109	Mecosta	Fork	Jim		
lance I	Helena	539	299	240	Mecosta	Martiny			******
Antrim	Kearney				357.434	(Mortona	1196	*****	******
200	Mancelona	108	66	42	Midland	Geneva	131	81	50
Baragaa	Arvon				Missaukee	Richland		******	
24148	(Beaver	170	91	79		( West Branch	64	52	12
Вау	Masona		17.		Montealm	Fairplain	929	518	411
Day	Mofit			******	Muskegon	Blue Lake	297	180	117
	Colfax	79	35	44		( Cedar Creek	291	165	120
- 11	Gilmore	504	272	232	Newaygo	Dayton	975	523	453
Benzie	3	4.0	1 2 2	7.0	7,50,50	( Monroe	168	102	68
	Lake	40	22	18		Churchill			
-	į Weldon	53	28	25	Ogemawa	Cumminga			
Cheboygan.	Burt	126	66	60		Klackinga			
- C 1 H	Frosta		*****		Ontonagon.	Carp Lake	76	52	24
Clare	Hayes	******				Charlton			
	Summerfield	134	73	61		Corwiths			
	(Winterfield	28	13	15	0.1	Dover			
Crawforda	Frederick	*** **			Otsegoa	Elmira			
014,11014	Grayling a					Hayes			
Delta	5 Baldwin	261	169	92		Livingston			
Dona	Nahma	164	87	77	0.00	( James			
Emmet	Center				Saginaw	Jonesfield	194	114	St
G. Traverse	Grant	311	158	153		(Austin	465	246	215
Huron	Bloomfield	148	80	68	Sanilac	Elmer	64	33	31
*****	( Grant	51	31	20		Evergreen	98	53	43
Iosco	Plainfield	119	71	48		(Geneva	207	114	93
	Cherry Valley	104	50	54	Tuscola	Watertown	804	174	28
	Edena						7.7	424	1
Lake	Glencoe					Antioch	163	84	78
	Lake	104	72	32		Boon	******		******
5-50	( Morilla	133	71	62	Wexford	Henderson	75	45	30
Manistee	Springdale	49	28	21		Shermana			******
Marquette	A Part of the same of the same of	34	25	9		Springville	103	73	30
ard acree	2010/10	91	200			7 - 1			

<sup>•</sup> Organized since Census was taken.

Table XI. shows the number of deaths in Michigan in 1878, by sex and by color of decedents. The last column in the table contains the per cent. of decedents of each color to decedents of all colors, and shows that 97.60 per cent. of all the decedents were white. By reference to page 20 it may be seen that 98.73 per cent. of all the children born were white, and by reference to page 77 it appears that 97.91 per cent. of all the persons married were white.

TABLE XI.—Deaths in Michigan during the Year 1878, distinguishing the Color by Number and Proportion of each Sex; and, by Sex, the Per Cent. of Decedents of each Color to Total of All Colors.

COLOR.	SEX.	Deaths Returned, 1878.	Per Cent. of Deaths of Each Sex to Total of Both Sexes.	Males to 100 Females.	Per Cent. of Deaths of each Color to Total of All Colors, by Sex.
	[ Total	12,766			100,00
land and	Males	6,632	52,16	109.04	100.00
All Colors	Females	6,082	47.84		100.00
	Unknown	52		******	73,08
	Total	12,459			97,60
Per 1 - 1 - 1	Males	6,489	52.24	109,89	97.84
White	Females	5,932	47.76		97.53
	Unknown	38			
	[Total	99			.78
Black	Males	49	49.49	98.00	.74
	Females	50	50.51		.82
	[Total	58		***************************************	.45
Mulatto	Males	99	37.93	61.11	.83
	(Females	36	62.07	**********	.59
	[Total	118			.92
Indian	Males	64	54.24	118.52	.97
	Females	54	45.76		.89
	[Total	32			.25
***************************************	Males	8	44.44	80.00	.12
Unknown	Females	10	55.56		.16
	Unknown	14			26.92
	[Total	157			.12
Black and Mulatto	Males	71	45.22	82.56	1.07
	Females	86	54.78		1.41

TABLE XII.—Exhibiting, by Number and by Sex, for the State and Counties, the Color of All Persons Returned as having Died in Michigan during the Year ending December 31, 1878.

	ALL	COLOR	s,—1878	3.		WHIT	K.		BL	ACI	ξ.	LA:	U-		INI	IAI	N.	UN	KN	own.
STATE AND COUNTIES.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Total.	Males.	Femples.	Total.	Males.	Females.	Total.	Males.	Females.
State	12,766	6,632	6,082	52	12,459	6,489	5,932	38	99	49	50	58	22	36	118	64	54	32	S	10 1
Alcona	19	13	6		19	13	6						-			_				
Allegan	278	139	138	1	269	135	133	1	1	1		4		4	4	3	1			
Alpena	60	36	23	1	60	36	23	1			**				****					
Antrim	33	15	15		32	17	15								1	1				
Baraga	28	9	14		9	5	4				**				14	e4	10			
Barry	139	63	76		139	63	76								****					
nay	247	142	105		245	141	104		2	fl	1									
Benzie	13	9	4		13	.0	4		****											-
Berrien	813	161	150	2	302	154	147	1	6	23	1	3	2	1				2		1
Branch	204	109	94	1	204	109	94	1												
Calhoun	260	126	131	3	243	151	119	3	9	2	7	1	1		****			7	2	5 .
Cass	223	116	107		192	104	88		-9	3	6	21	8	13				1	1	
Charlevoix	25	18	14		29	17	12								3	1	2			
Cheboygan	71	32	38	1	67	31	35	1							4	1	113		-	Ε.
Chippewa	41	25	16		21	13	8					****			20	12	18			
Clare	20	10	9	1	20	10	9	1												
Clinton	247	125	199		246	125	121	**	1	4	1									
Crawford	4	3	1		4	3	1													
Dolta	42	28	14		38	24	14				-				4	4			-	
Katon	273	125	148		273	125	148					***				-				
Emmet	66	38,	30		30	21	18					****	**	44	27	15	12			
Genesce	308	149	157		304	148	138	44	2	3	1	****		-	****					
Gladwin	- 7	3	2	**	7	3	2	**	****		-				****	-				
GM Traverse.	-0	20	20	-	40	20	29	-			**	****	-	-	****			-	-:	-
Gratiet	m	35	61	20	m	-30	61						24	-		-				-
Hilledale	288	166	142	64	182	162	240		3		a	1		a	-	20	44			
Houghton	263	355	WS	1 2	193	655	316								-	-	44	-	4	-

<sup>.</sup> Includes 8 "Colored," and 1 Negro

<sup>.</sup> Includes It "Half-brood," 4 White and Is

<sup>\*</sup> Includes S Stalf Street, T White and

Notes

a I White and Indian.

a li "Halt breed,"

TABLE XII.—CONTINUED.—Deaths by Counties, by Color, and by Sex.

	ALL (	Colons	,—1878			WHIT	E.		BL	AON			TTO		IND	IAT	۲.	Un	ENG	w	N.
COUNTIES.	Total.	Males.	Females.	Unknown.	Total,	Males.	Females.	Unknown.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Thenown.
Huron	101	54	47	-	101	54	47										-		-		-
Ingham	193	106	87		191	105	86	-	1	+1								1		1	
Ionin	230	114	115	1	229	113	115	1	****									1	1		-
Iosco	52	23	19		52	33	19														
Isabella	75	49	26		74	48	26								1	1					1.
Isle Royalb																					1-
Jackson	347	190	157		340	188	152		7	42	5										1.
Kalamazoo	281	144	136	1	268	141	127		10	2	18	1		1				2	1	-	
Kalkaska	18	9	9		18	9	9														
Kent	560	266	291	3	554	264	290		3	2	1							3			
Kewcenaw	52	30	21	1	52	30	21	1											-		
Lake	22	8	14		22	8	14						_				-				
Lapeer	180	102	77	1	179	101	77	1				1	1				-				
Leelanaw	49	22	27		45	21	24					1		1	3	1	2				1
Lenawee	330	167	162	1	323	162	160	1	4	3	1	3	2	1							ı
Livingston	156	72	84		156	72	84												-		1
Mackinac	15	4	11		5	1	4								10		47				1
Macomb	279	147	132		279	147	132														1
Manistee	84	45	39		84	45	39										0				1
Manitou	6	3	3		6	3	3												1		١
Marquette	927	141	86		227	141	86														1
Mason	61	40	21		54	36	18								7	4	3				1
Mecosta	73	31	42		70	30	40		1		1	2	1	1							1
Menominee	9	6	3		8	5	3								1	1	-			1	П
Midland	52	18	34	1	51	18	33					1		1	1						I
Missaukce	21	11	10	100	20	10	10	-				1	1								I
Monroe	310	159	148	1		159	148	1										2	m		I
Montealm	198	95	101			95	99			1								4		2	
Muskegon		88	83	1	171	88	83	1								[				1	1
Newaygo		43	33	1	1 100	42			1	1				17		[		1		-	I
Oakiand	331	172	156	10		171	154			1		2	m	2				1		1	1
	76	34	42	100	71	31	40			1.			-		5				1	-	1
	6	-	6	1	6		6	1		-							1		1	1	1
	13	14	19	10	33	14	19	100		1	1		-			-	-		-	1	1
		44	45	1	88	43	70	2							1					-	1

inty clerk to the State Department.
4 6 White and Indian.

TABLE XII.—CONTINUED.—Deaths by Counties, by Color, and by Sex.

	ALL	COLOR	s,—1878	3.		WHIT	E.		BI	ACE	1		TTC		INI	DIA	N.	UN	KK	ow:	ĸ.
COUNTIES.	Total.	Males.	Females.	Unknown,	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Thenown
Otsego	2	2			2	2													-	-	
Ottawa	249	133	116		249	133	116				-										-
Presque Isle.	26	11	15		26	11	15														-
Roscommon.	6	6			6	6															4
Saginaw	524	257	265	2	513	250	262	1				1		1	8	7	1	2		1	1
Sanilac	135	71	63	1	134	71	68	_								-		1	-		10
Schoolcraft	4	2	2		4	2	2								****					-	-
Shiawassee	137	71	66		137	71	66														Į.
St. Clair	319	171	148		316	169	147		1		1							2	2		-
St. Joseph	204	102	102		204	102	102														-
Tuscola	150	79	71		148	78	70								2	al	a1				-
Van Buren	248	135	112	1	239	132	106	1	3	b2	1	4	1	3	2		2				-
Washtenaw	330	176	153	1	320	171	148	1	8	64	c2	3		3				1	1		-
Wayne	1,949	1,038	896	15	1,913	1,018	881	14	26	b 14	12	8	5	3	1	1		1		-	1
Wexford	86	49	36	1	86	49	36	1													

EXHIBIT 6.—Nativity of Decedents in Michigan during each of the Years 1874-1878, according to the Returns.

NATIVITY	DEA 18	THS. 74.	DEA 18	THS.		тиз,		THS, 77.		THS, 78.	Av. for ending 18	with
OF DECEDENTS.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total,	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.
All Nativities	12,500	100.00	11,990	100.00	12,576	100.00	12,919	100.00	12,766	100.00	11,917	100.00
Native	9,937	1		10000	10,147	80.69 16.52	10,305	79.77 17.42	10,183	79.77 17.52	-,	80.61
Unknown	435	3.48	311	2.59	351	2.79	363	2.81	316	2.71	362	3.04

<sup>&</sup>quot;Red."
"Colored."
"Colored."

The proportion of decedents of each nativity for each of the years 1874-1878 may be studied in Exhibit 6. The usual proportion of decedents in this State is about four-fifths of native of U.S. A., the average proportion of decedents who were natives of U.S.A. for the seven years 1872-1878 being 80.26 per cent., and of the foreign-born 16.93 per cent.

TABLE XIII.—Exhibiting, by Number and by Sex, for the State and Counties, the Nativity of all Persons Returned as having Died in Michigan during the Year ending December 31, 1878.

and the same of	ALL N	NATIVI	TIES, 18	378.		NATI	VIII.			FOREI	ON.		U	NKN	OWN.	
AND COUNTIES.	Total,	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.
State	12,766	6,632	6,082	52	10,183	5,922	4,911	50	2,287	1,217	1,019	1	346	193	152	1
Alcona	19	13	6		11	8	8		7	4	3		1	1		
Allegan	278	139	138	1	237	113	123	1	32	21	11		.9	5	4	
Alpena	60	36	23	1	47	30	16	1	12	6	6		1		1	
Antrim	33	18	15		25	13	12		5	2	2		3	2	1	
Baraga	23	9	14		22	8	14		1	1						
Barry	139	63	76		127	59	6S		10	4	6		2		2	
Вау	247	142	105		190	110	80		51	28	23		6	. 4	2	
Benzie	13	9	4		11	8	8		2	1	1		****		****	
Berrien	313	161	150	2	261	132	127	2	41	20	21		11	9	2	
Branch	204	109	94	1	192	101	90	1	7	6	1		5	2	3	
Calhoun	260	126	131	3	225	111	112	2	32	15	17		3		2	1
Cass	223	116	107		215	111	104		6	4	2		2	1	1	
Charlevolx	32	18	14		23	13	10		7	5	2		2		2	
Cheboygan	71	32	38	1	36	14	21	1	10	4	6		25	14	11	
Chippewa	41	25	16		27	18	9		12	6	6		0	1	1	-
Clare	20	10	9	1	16	6	9	1	2	2	*****		2	2		
Clinton	247	125	122		215	110	105		27	13	14		5	0	3	
Crawford	4	3	1		4	3	1									
Delta	42	28	14		26	17	9		15	10	5		1	1		
Eaton	273	125	148		251	112	139	****	15	8	7		7	5	2	
Emmet	66	36	30		57	30	27		4	3	1		5	3	2	-
Genesce	306	149	157		256	117	139		48	31	17		0	1	1	
Gladwin	7	5	2		3	2	1		2	1	1		2	2		
Gr. Traverse	49	20	29		46	19	27		4	1	1		1		1	
Gratiot	111	50	61		103	46	57		6	3	3		2	1	1	
Hillsdale	288	146	142		261	134	127		,20	8	12		7	4	3	
Houghton	263	155	105	3	203	113	87	3	59	41	18		1	1		
Huron	101	54	47		69	39	30		30	15	15		2	****	2	
Ingham	193	106	87		164	89	75		25	15	10		4	2	2	-
Ionia	230	114	115	1	203	100	102	1	20	11	9		7	3	4	
Iosco	52	33	19		39	25	14		12	7	1 5		1	1		
Isabella	75	49	26		65	44	21		9	4	5		1	1		

TABLE XIII.—CONTINUED.—Deaths by Counties, Nativity, and Sex.

	ALL ?	NATIVI	TIES, 1	878.		NATI	VE.			Fore	IGN.		τ	INEN	own.	
COUNTIES.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.
Isle Royal.																
Jackson	347	190	157		803	161	142		40	25	15		4	4		
Kalamazoo	281	144	136	1	227	113	113	1	87	22	15		17	9	8	
Kalkaska	18	9	9		17	8	9		1	1						
Kent	560	266	291	3	434	200	231	3	102	56	46		24	10	14	
Keweenaw	52	30	21	1	41	23	17	1	8	δ	3		3	2	1	
Lake	22	8	14		18	5	13		3	2	1		1	1		
Lapeer	180	102	77	1	147	90	56	1	29	10	19		4	2	2	
Leelanaw	49	22	27		33	15	18		16	7	9					
Lenawee	830	167	162	1	276	141	134	1	54	26	28		****	****		ļ.,
Livingston	156	72	84		130	60	70		24	12	12		9		2	ļ.,
Mackinao	15	4	11		14	4	10		1		1					
Macomb	279	147	132		213	113	100		64	33	31	,	9	1	1	
Manistce	84	45	<b>3</b> 9		63	31	32		20	14	6		1		1	
Manitou	6	3	3		3	2	1		8	1	2		***			
Marquette	227	141	86		179	109	70		46	30	16		2	2		ļ.
Mason	61	40	21		56	35	21		5	5						ŀ
Mecosta	78	31	42		54	23	31		15	6	9		4	2	2	
Menominee	9	6	3		6	3	3		2	2			1	1		
Midland	52	18	84		41	13	28		10	4	6		1	1		Į.
Missaukce	21	11	10		17	9	8		4	2	2					
Monroo	310	159	148	3	243	118	122	3	63	39	24		4	2	2	ŀ
Montcalm	198	95	101	2	166	81	83	2	27	11	16		5	3	2	
Muskegon	171	88	83		125	62	63		39	22	17		7	4	3	1.
Newaygo	78	43	33	2	68	85	31	2	7	5	2		3	3		ŀ
Oakland	831	172	156	3	275	141	131	3	53	30	23		3	1	2	1.
Oceana	76	84	42		65	80	35		8	3	5		3	1	2	1.
Ogemaw	6		6		2		2		4		4					1.
Ontonagon	33	14	19		22	8	14		11	6	5					ļ.
Osceola	89	44	45		73	37	36		14	6	8		2	1	1	1.
Otsego	2	2			2	2										1-
Ottawa	249	133	116		185	92	93		58	37	21		6	4	9	
Presque I	26	11	15		12	4	8		5	3	2		9	4	5	

<sup>.</sup> No returns from the county clerk to the State Department.

TABLE XIII .- CONTINUED .- Deaths by Counties, Nativity, and Sex.

	ALL I	ATIVI	TIES, 1	878.		NATI	VB.			FOREI	GN.	- 1	T	INKN	own	1
COUNTIES.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males,	Females.	Unknown.
Roscommon.	6	6			5	5			1	1						
Saginaw	524	257	265	2	366	178	187	1	131	65	65	1	27	14	13	
Sanilac	135	71	63	1	98	52	45	1	36	18	18		1	1		
Schoolcraft.	4	2	2		3	1	2		1	1						
Shiawassec	137	71	66		124	63	59		12	6	6		1		1	
St. Clair	319	171	148		227	118	100		91	52	89		1	1		
St. Joseph	204	102	102		170	87	83		28	11	17		6	4	2	
Tuscofa	150	79	71		122	65	57		26	13	13		2	1	1	
Van Buren	248	135	112	1	223	118	104	1	20	13	7		5	4	1	
Washtenaw.	330	176	153	1	248	128	119	1	80	48	32		2		2	
Wayne	1,949	1,038	896	15	1,892	745	632	15	492	257	235		65	36	29	
Wexford	86	49	36	1	65	37	27	1	15	6	9		6	6		

## CAUSES OF DEATH.

This is certainly the most important subject which is studied in connection with Vital Statistics. The direct causes of the deaths are here introduced, to try and discover where in the State the deaths took place, what were the diseases most fatal, at what season of the year they occurred, and whether they were more fatal among the young, the middle-aged, or the old. One cause of regret is that greater accuracy cannot be obtained in the record of the causes of death.

In Table XIV. may be seen the several classes which include the causes of death in Michigan during each of the years 1874-1878. Class I.,—Zymotic diseases,—represents nearly one-quarter (24.45 per cent.) of all the deaths during the year 1878, and for the seven years 1872-1878 the proportion of deaths from this class of causes averages 26.47 per cent. Constitutional diseases caused 17.94 per cent. of all the deaths reported for 1878; local diseases caused 27.27 per cent.; developmental diseases caused 14.29 per cent.; and violent deaths composed 5.41 per cent. of all the deaths in 1878. The proportion of deaths from the unknown and unclassified causes was smaller in 1878 than in any previous year except 1876.

TABLE XIV.—Number of Deaths Returned as having occurred in Michigan from All Causes, and from each Class of Causes, and the Per Cent. of Deaths from each Class of Causes to Deaths from All Causes, for each of the Years 1874 to 1878, inclusive.

CAUSES OF DEATH,	187	14.	187	75.	183	6.	187	77.	187	18.	AVE FOR I YEARS ING V 187	, END-
CLASSES.	Num- ber.	Per Ct. of Total.	Num- ber.	Per Ct. of Total.	Num- ber.	Per Ct. of Total.	Num- ber.	Per Ct. of Total.	Num- ber.	Per Ct. of Total.	Num- ber.	Per Ct. of Total
All Causes	12,500	100.00	11,990	100,00	12,576	100,00	12,919	100.00	12,766	100.00	11,917	100,00
1Zymotie	3,260	26.08	2,798	23.34	3,094	24,60	3,319	25.69	8,121	24.45	3,276	27.45
IIConstitutional.	2,117	16,93	2,190	18.27	2,348	18,67	2,454	19.00	2,290	17.94	2,124	17.8
IIILocal Diseases	3,697	29,58	3,565	29,73	3,647	29.00	3,506	27.14	3,481	27.27	3,377	28.3
IVDevelopmental	1,256	10,65	1,353	11,28	1,458	11,59	1,527	11.82	1,825	14.29	1,164	9.7
V Violent Deaths.	656	5,25	646	5,39	747	5.94	654	5,06	691	5.41	603	5.0
Unknown and Un-	3,514	12.11	1,438	11,99	1,282	10.19	1,459	11.20	1,858	10.61	1,872	11.5

Exhibit 7 shows, by months, the number of deaths in Michigan during the year 1878 from all causes and from each class of causes. From Zymotic diseases, the largest number occurred in September; from constitutional diseases the largest number occurred in April; from local diseases and from developmental diseases, the largest number occurred in December; and the largest number of violent deaths were returned for August.

EXHIBIT 7.—By Months, the Number of Deaths Returned as having Occurred in Michigan from All Causes and from each Class of Causes during the year 1878.

CAUSES OF DEATH,-	STATE.					3	dostn	or Di	BATH,	978.				
CLASSES,	1878.	Jan.	Yeb.	Mar.	Apr.	May.	Jane.	July.	Aug.	Sept.	Oet.	Nov.	Doc.	Unk.
All Causes	12,708	730	789	930	1029	923	870	1,017	1,171	1,343	1,190	1,181	1,309	9.0
L-Eymotic	3,121	162	196	173	163	136	138	240	430	433	334	345	380	
IIConstitutional.	2,200	127	138	178	225	3117	170	200	500	295	202	200	212	1
IIILecal Diseases	3,451	203	219	314	288	353	202	:33	337	353	200	300	379	1
IVDevelopmental	1,820	113	110	221	163	362	1117	142	153	367	165	100	233	3
V Violent Deaths		-\$2	37	at	33	41	333	84	31	33	68	52	65	ı
Unknown and Un-		56	72	283	336	39	26	217	325	320	122	126	117	ľ

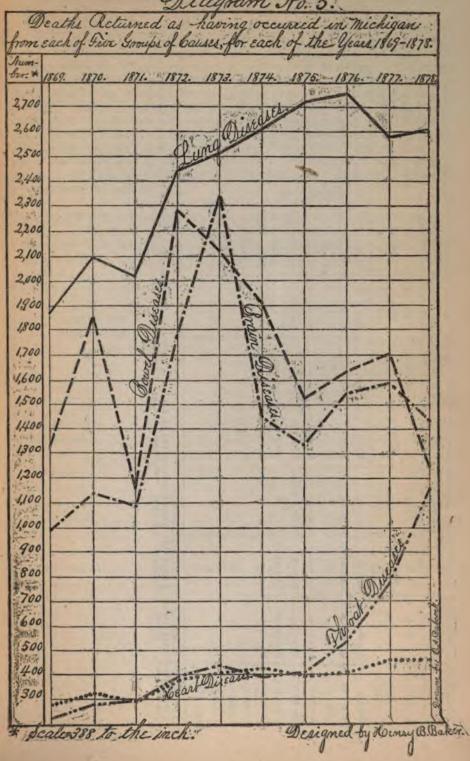
1,500 1,400 1,300 1,200 1100 1,000 900 800 700 600 500 400 800 200 7 to the inch.

20.25 per cent., as figured from Exhibit 8. In 1878 and 1873, the group of brain diseases was next to lung diseases in the all causes in 1878 having been caused by lung diseases, as shown by this exhibit. The year 1878 scems, in this regard, to have been about an average year, as the average per cent, of deaths from lung diseases for the seven years 1872-1878 was order of greatest number of deaths first, but in each of the other years bowel diseases preceded brain diseases. It may be seen that the proportion of deaths from throat diseases has constantly increased since 1872, the proportion in 1872 being 2.92 per cent.; in 1873, 3.04 per cent.; in 1874, 3.16 per cent.; in 1875, 3.39 per cent.; in 1876, 4.30 per cent.; in 1877, the group of lung diseases is greater than from any other group, more than one-fifth (20,44 per cent.) of the deaths from In Exhibit 8 the number and per-cent, of deaths from certain groups of causes are shown. The number of deaths from per cent.; and in 1878, 9.09 per cent.

EXHIBIT 8.—Order of Succession of Five Groups of Causes of Deaths in Michigan for each of the Years 1873 to 1876, inclusive, and of Six Groups for the Years 1877 and 1878, according to the Returns.

		1873.			1874.			1875.			1876.	1		1877.			1878.	
Оврев.	DISEASES	Num- ber.	Per Ct. to All Causes.	DISEASES	Num- ber.	Per Ct. to All Causes.	DISEASES	Num-	Per Ct. to All Causes.	DISEASES	Num-	Per Ct. to All Causes,	DISKASES Num-	Num- ber.	Per Ct. to All Causes.	DISEASES	Num- ber,	Ct. to All Causes.
1	All Caus.	14,258	100.00	100.00 All Caus.	12,500		100.00 AH Caus.	11,990		100.00 All Caus.	12,576	100.00	100.00 All Caus, 12,919	12,919	-	100.00 All Cans.	12,766	_ 100.00
-	Lungs	2,511	17.61	17.61 Lungs	2,605		20.81 Lungs	2,720	22,63	22,69 Lungs	2,753	21.83	21.89 Lungs	2,584	20,00	20,00 Lungs	2,609	20.44
Q1	Brain	2,336	10.38	16.38 Bowels	1,907	15.26	15.26 Bowels	1,521	12.69	12.69 Bowels	1,633	12.08	12.08 Bowels	1,702	13.17	13.17 Brain	1,440	11.25
00	Bowels.	2,121	14.89	14.89 Brain	1,450		11.60 Brain	1,338	11.16	11.16 Brain	1,549	12.31	12.31 Brain	1,592	12,32	12.32 Bowels	3,247	9.77
4	Throat	181	3.04	3.04 Heart	420	3,36	3.36 Throat	406	3,39	3.39 Throat	541	4.30	4.30 Throat	781	6.02	6.05 Throat	1,160	8.09
10	Heart	402	2.83	2.82 Thront	395	3.16	3.16 Heart	891	3.26	3.26 Heart	403	3, 22	3.22 Heart	460	3.56	3.56 Heart	452	8,64
						- 1			9		1		Liver	126	86.	.08 Liver	143	1.12
12	1-5 6 Groups	7,804	F1.16	51.74 6 Groups	111,0		54.22 5 Groups	6,376	1 1 1 1	53.19 5 Groups	6,881		54.72 6 Groups 7,245	7,245	80.09	66.08 6 Groups	7,051	55.23

Diagram A. 5.



ď Flower Generalized Divisions of the State formed for the nursues of facilitation the study of Causes RYITIRI'N I

AMILIBIT.	Death, with the contraprical Death, with a list of Counties included in each Division.	reograph	ical Division Death, with	us of the 2 a list of C	ical Divisions of the State, formed for the purpose of J Death, with a list of Counties included in each Division.	gor the prided in each	urpose of Jac Division.	entating ti	no sinay of	causes of
Upper	North-		North-		Northern	Bay and		South-	Southern	South-
Peninsular.	western.	Northern.	eastern.	Western.	Central.	Eastern.	Central.	western.	Central.	castern.
Baraga	Baraga Benzie Antrim Alcona	Antrim	Alcons	•	Kent Claro		Bay	Allegan	Allegan Branch	Macomb.
Chippewa	Chippowa Gr. Traverse, Charlevolx, Alpena	Charlevoix.	Alpena		Lake Gladwin	Huron	Huron Clinton	Berrien	Calhoun	Monroe.
Delta	Delta Leelanaw	Cheboygan.	Cheboygan. Ioscof	Mason	Mason Isabellab Lapeer	Lapeer	Eaton	Cass	Hillsdale	Onkland.
Houghton	Houghton Manistec Crawford Ogemaw	Crawford	Ogemaw	Muskegon s	Muskegon f Mecosta		Saginaw Genesee Van Buren. Jackson	Van Buren.	Jackson	Wayne. k
Isle Royal	Isle Royal Manitou	Emmet	Emmet Presque Isle	Newaygo	Newaygo Midland		Sanilac Gratiot		Kalamazoo	
Keweenaw	Kewcenaw Missaukce	Kalkaska		Oceana	Roscommon	St. Clair	St. Clair Ingham		Lenawee	
Mackinac b Wexford	Wexford	Otsego		Osceola		Tuscola	Tuscola Ionia		St. Joseph	
Marquette				Ottawa			Livingston		Washtenaw	
Menominee.							Montcalm	·		
Ontonagon							Shia wassee			
schoolcraft.d										
No rot man a	No votavna of dootha from the following townshine	the Collomina	tomoshine.							

No returns of deaths from the following townships:
- Detour and Sugar Island. b Hendricks, Holmes, Nowton, and St. Ignace. c Codarville, Ingaliston, Monomince, and Spaulding. d Munising and Onofa.
- Central Lake. Coscoda. s Montague. h Rolland 181, Ciair. Burns. k Grosse Point.

Table XV. shows the number and proportion of deaths from all causes in 1878 in each of the geographical divisions of Michigan, and the per cent. of deaths from each class of causes to deaths from all causes. The southeastern division shows the largest proportion of deaths from all causes. The proportion of deaths from Zymotic diseases was greatest in the northern-central division, least in the western; the proportion from constitutional diseases was greatest in the southern-central, least in the northern-central; the proportion from local diseases was greatest in the southwestern, least in the northern; the proportion from developmental diseases was greatest in the northwestern, least in the northern; the proportion from violent deaths was greatest in the upper peninsular, least in the northern; and the proportion of deaths from the unknown and unclassified causes was greatest in the northern, least in the southern-central division.

TABLE XV.—Exhibiting for the State and for each of Eleven Geographical Divisions of the State, the Number of Deaths Returned, and the Per Cent. of Deaths in each Division to Total Deaths in the State during the Year 1878; also, the Per Cent. of Deaths from each Class of Causes to Deaths from All Causes.

STATE AND		THS ETED, 78.		USES TO		FROM AL	CH CLAS	
GEOGRAPHICAL DIVISIONS.	Num- ber.	Per Ct. of Total.			Cl'ss 111. Local Diseases.	Cl'ss IV. Develop- mental Diseases.	Class V. Violent Deaths.	Unk. and Un- classi- fied.
STATE	12,766	100.00	24.45	17.94	27.27	14.29	5.41	10.64
Upper-Peninsular	709	5.55	25.53	10,30	18.19	14.25	9.87	21.86
North-western	308	2.41	24,85	15,91	20.78	19.15	9.42	10,39
Northern	226	1.77	33,63	11,06	15,93	6.19	3.10	30,09
North-eastern	163	1.28	25.15	17.79	20.86	8,59	8.59	19,02
Western	1,306	10.23	19.83	19.07	25.73	15.77	7.50	12.10
Northern-Central	233	1,83	27.04	10.30	24.89	17.17	9.44	11.16
Bay and Eastern	1,656	12.97	25,06	16.85	25.72	14.07	6.34	11.96
Central	1,990	15.59	24.87	19.55	29.65	13.62	4.17	8.14
South-western	1,062	8.32	25.33	17.61	32,11	11.02	5.74	8.19
Southern-Central	2,244	17,58	23.08	20.10	31,51	14.22	4.06	7.04
South-eastern	2,869	22.47	25.41	18,65	26,49	15.72	3.87	9.86

Exhibiting the Number of Reported Deaths in Michigan and in each County of the State during the Year 1878, from TABLE XVI.-CAUSES OF DEATH.-Nosological Arrangement.

86 2 Ξ Gratiot. 02 Gr. Traverse. Gladwin 19 3 187 Genesee. 333 Emmet. 83 260 273 Enton. 45 98 6 Delta. Crawford. 236 8 247 Specified Causes, Statistically Classified.—(Still-Births Included.) Clinton. 8 19 Clare. 17 7 ä Cylppewa 21 36 8 COUNTIES,-1878. Среродвиг 85 Charlevolx. 26 253 903 7 CHES. 960 543 17 Calhoun. 130 Ž 20 21 98 106 Branch. 9 03 23 83 Berrlen. 2 13 Benzie. 86 85 247 90 5 Bay. 88 133 2 Barry. 63 2 Baraga. 13 Antrim. ; VIbena. 0 278 00 53 250 3 253 Allegan 8 16 .... Alcona. 1,460 3,121 066,5 3,431 1,525 3,083 601 52 00 15 16 2. Tubercular Diseases..... 1,731 2,768 1,306 STATE I.-1. Miusmatic Disenses ...... III.-Local Discases..... IV.-Developmental Diseases ...... 2. Enthotic Diseases..... 3. Dietic Diseases...... II.-1. Diathetic Discases...... Causes not Specified..... v.-Violent Deaths ...... Unclassified ...... 4. Parasitic Discases.... II.-Constitutional Diseases..... CAUSES OF DEATH,-1578. I.-Zymotic Discases ...... All Causes ..... Specified Causos ..... CLASSES.

	Nervous System	1,830	-	341	80	3	-	91 2	122	31 38	11 23	81	23	-		-	60	36	=	2	54.	7	261.	-	60	138
	as of Circulation	448	1	=	-	1	-	0	9	13	13	15	*	1	1	-	40	00	1	1	0	1	13	1	,	-
	Respiratory Organs	838	1	67	2-	-	-	8	16	35	20	16	12	69	63	-	1	16	:	2	8;	C+	50	:	01	00
	Digustive Organs	507	-	18	7	10	-	10	6	2 14	15	0	10	1	-	-	1	61	1	1	=	1	133	-	50	9
	Urinary Organs	185	7	-	-	1	- 1	•	00	-	9	9	2	1	-	-	1	40	1	1	+	1	6	1	+	01
	Generalive Organs.	18	1	1	1	:	-		4	1	1	1	1	1	1	-	1	-	1	1	-	1	-	1	+	:
Org	organs of Locomotion	13	1	1	1		+	1	1	1	1	1	1	1	1	1	1	1	1	i	1	1	1	-	1	i
vis. of Integument	gumentary System.	20	1	-	1	1	+	1	Q1	00	1	01	01	1	1	-	1	-	1	T	2	1	*	1	7	-
IV1. Developmental Dis.	ntal Dis. of Children	933	-	H	1-	1	:		15	7	10	55	15	1	1	-	10	25	04	-	19	1	53	1	*	13
2. Developmental Dis.	ntal Dis. of Women.	181	1	60	01	-	;	20		-	-	-	1	-	1	1	1	9	1	-	-	21	9	1	-	-
3,-Developm'l Dis. of	'I Dis. of Old People	579	-	13	1	1	1	2	80	00	*	19	10	01	1	*	1	10	-	1	6	01	- 42	1	47	00
4Diseases of Nutrit.	of Natrition	129	1	CI	1	-	:	-		1	00	01	1	-	-	1	-	1	T	1	G1	T	500	;	-	
V 1. Accident or Negligence	r Negligence	415	1	13	O1	64		10	138	13	9	00	9	C+	-	7	01	01	1	*2	-	-	00	-	*	01
2. Battle		-	1	i	1	+	+	1	1	1	1	1	1	1	1	1	,	1	-	1	1	1	1	1	-	;
3. Homicide		11	1	-	1	1	-	1	-	1	-	1	1	1	-	1	1	1	1	-	i	1	60	1	+	
4. Snielde		63	-	-	1	1	1	-	1	60	-	Q4	-	1	1	1	1	1	1	1	1	1	1	1	1	1
6. Execution		-	1	i	1	1	-	1	1	1	-	1	1	1	1	-1	1	1	1	1	1	1	1	1	-	
6. Violent Deaths	aths	202	63	6	-	1	-	4	-	65	7	4	-	1.	1	-	-	-	1	-	4	1	9	+	1	:
CLASS I.—ZYMOTIC		3,121	9	62	0	13	00	53	86	80	39	45	150	*	38	-	9	83	-	10	83	=	63	03	63	37
LORDER 1. Miasmatie	matie	3,083	9	61	6	139	00	34 8	82	. 81	88	44	76	*	36	-	9	8	-	0	23	*	63	00	13	98
1. Small-pox	***************************************	7	1	1	1	-	-	+	1	-	1	1	1	1	1	1	1	-	-	1	1	1	-	:	1	4
2. Measles		16	1	1	-		-	-	!	1	1	-	1	1	-	1	-	1	1	-	1	-	1	1	-	-
3. Scarlatina	***************************************	429	1	-	1	1	+	-	19	00	*	-	64	O4	11	1	1	10	1	CI.	:	1	40	1	:	64
4. Diphtheria		887	60	65	!	10	-	17 1	16	27	10	10	47	i	20	1	1	500	1	1	47	1	17	;	9	18
6, Quinsy		10	1	İ	1	1	1	1	1	1	-	-	1	1	1	1	1	1	1	i	1	1	-	1	+	
6. Croup		230	1	9	04	-	-	60	16	12	04	I	0	1	01	T	-	7	-	1	00	-	-	-	-	20

TALE XVI.—Continued.—Causes of Death, Classified.

										Ì	İ	ООО	COUNTIES1878.	<u>1</u>	878		į									١
CAUSES OF DEATH,—1878.	+ATAT2	Alcona.	Allegan.	Азрепа,	Antrim.	Bezage.	Barry.	Bay.	Benzie.	Berrien.	Branch.	Calhoun.	Cass.	Charlevolx.	Срероукап.	Chippewa	Clare.	Cilnton.	Crawford,	Delta.	Eaton.	Emmet.	Genesee.	Gladwin.	Gr. Traverse.	Gratiot.
7. Whooping-cough	132		00	91	1	1	10		1	-	-	04	1	1	-	- 1	1	1	1	1	-	1	00	1	1	**
(Typhold Fever	320	04	9	1	1	1	90	00	1	6	9	15	7	-		- 1	;	10	:	90	=	1	1-	-	10	7
8. Typhus Fever	10	1	1	1	į	i	i	i	1	1	÷	1	1	1	*		+	-	+	1	Ť	1	1	1	1	1
( Typho-malarial Fever	18	1	1	1	1	1	1	;	1	1	1	1		;	4.	- 1	1	1	1	1	i	1	;	1	i	
9. Erysipclas	83	1	1	1	1	i	1	63	1	00	ge.	04	-	1	7		-	1	1	1	1		60	1	i	- ;
10. Puerperal Fever	16	1	1	1	1	i	1	1	1	1	1	1	1	i	,	- 1	1	1	-	1	i	i	1	1	1	-
11. Carbunclo	1	1	1	i	1	1	i	1	;	1	1	1	1	1	- 10	:	;	-1	- ;	-	i	1	-	1	1	4
12. Influenza	7	-	-	1	- [	1	1	1	1	1	1	1	1	1	- 1	1 1	+	1	1	1	- 1	61	i	i	i	i
13. Dysentery	158	1	-	1	1	-	61		į	90	1	G1	99	-			1	-	1	1	*	04	9	-	1	-
14. Diarrhea	173	-	1	60	1	1	-	*	1	1	1	-	1	1		_	01	1	:	:	1	н	*	-	i	- 1
15. Cholera Infantum	213	1	04	-	1	O+	-	10	I	63	91	*	4		-		-	Ç1	1	00	11	40	00	1	51	*
Cholera Morbus	63	1	1	1	1	1	1	-	i	-	ï	-	1			1	1	1	1	1	7	÷	1	i	1	1
Cholera	4	1	1	1	1	1	;	i	-	1	1	1	1		- Y	1	1	1	1	1	- 1		Ť	1	i	1
17. Aguo	118	1	01	1	1	1	1	9	1	c.	01	*	04	-			-	50	÷	i	01		01	i	1	-
13. Remittent Fover	127	1	64	1	1	-	1	20	1	*	64	99	1	- 5	- 1	.1.	1	kq.	=	1	60	-	=	Ť	ī	
19. Rheumatiem	19	1	00	1	64	1	=	1	1	-	0+	-	1	1		- 1	1	1	1	Ť	1		*	i	1	-
IORDER 2. Enthetic	89	1	-	- 1	1	1	i	- 1	i	1	1	-	1	1		- 1	1	-	1	-:	- 1	- 4	i	1	i	1
1. Syphilis	61	1	1	1	1	1	1	1	1	1	÷	1	1				i	+	÷	i	1		Ì	1	i	1
2 Stricture of Urethra	*	1	1	1	1	1	1	i	1	1	1	1	1			;	-	1	1	1	1	*	1	1	i	1
( Stricture	1	j		1	1	Trees.	1	-	1	1	1	-	1	ì		2	i	-	1	1	ı		i	i	i	i

11	1	1	1	-	1	1	1	-	-	1	17	9	-	1	1	10	-	1	=	1	-	10
11	1	1	1	1	1	1	1	1	1	1	6	1	-	1	-	-	1	1	90	1	1	00
11	-	1	1	1		-	1	1	1	1	-	:	1	1	1	1	1	1	-	-	1	1
11	1	1	T	1		1	1	1	1	1	69	119	1	1	9	6	4	1	20	O4	-	17
11	i	1	1	1		i	1	-	1	1	27	04	1	1	-	1	-	1	10	-	i	0
11	-	1	i	1 "	-	F	-	-	1	-	47	00	i	1	+	4	1	1	39	1	1	28
Ti	-	1	1	1	1	-	1	- 1	1	1	-	64	1	+	-	-	1	i	10	1	1	10
ti	1	1	+	-	1	1	1		1	1	1	;	F	1	1	1	1	-	:	1	1	1
1 1	+	1	1	1	1	-	-	;	-	1	64	120	1	1	-	10	+	1	30	1	-	66
11	1	1	-	1	1	-	-	1	1	1	1	:	1	1	1	:	1	1	;	1	1	;
1 1	1	1	1	1	1 1		- :	1	1	1	6	-	1	:	1	1	1	1	- 0		1	6
1 1	+	1	1	1	: :	-	- 1	1	+	1	*	:	1	1		-	1	;	-	:	1	-
1 1	1	1	1	1	:	- 1	- 1	1	-	1	4		1	-			- 1	1	-	1	1	4
1 1	1	-	:	1	1 1	-	- 01	-	63	1	36	12	1	1	00	00	1	1	24	-	1	F6
1 1	1	1	1	1	1			1		-	59 3	19	1	-	10	13	-	1	40	-	1	36
:	1	!	1	1	!	1	1	-	1	1	43		1	1	10	6 3		1	32	-	01	29 3
11	1	1	1	-	1		_ !	-	-	-		11	1	1	6	9	:	1	_	-	-	- 220
11		1	1				-	1	1	1	51	17	1	1				1	34	1	-	33
11	1	i	1	1	1		- 1	1	1	-		63	-	1		01	1	1		1	1	1
		1	1	1			- 1	1	1	1	20	00	i	1	01		-	1	96	-	1	26
11	1	1	1	-			-	1	-	-	88	1	1	-	C)	*		j	e.	1	1	12
11	1	i	-	1	!		1	1	-	1	*	:	1	-	1	1	1	1	7	. 1	1	4
11	1	1	1	1			- 1	1		1	10	04	-	1	C.I	1	1	1	6.3	1	1	04
11	1	1	1	1			-	1	1	1	13	63	-	-	-	1	64	1	10	- 1	1	10
11	-	i	-	-	1	-	1	1	-	1	4	0	1	1	41	10	-	1	83	01	1	50
11	1	1	1	1	1	1	- 1	1	1	1	00	-	-	1	1	-	1	-	01	1	1	64
1"	13	1		29 0	00	9	16	60	13	1	2,290	929	-	-	253	270	52	11	1,731	35	16	1,666
3. Hydrophobia 4. Glanders	LOrden 3. Dictic	1. Privation	Purpura	Z. Kachitis	3 Delirium Tremens (Alcoholism)		IORDER 4. Parasitic	I. Thrush	2. Worms	3. Disease of Scalp	CLASS IL,—CONSTITUTIONAL	IIOnder 1. Diathetic	I. Gout.	2. Anæmia	Dropsy	3. Cancer	4. Noma (Canker)	5. Mortification	11Onder 2. Tubercular	1. Serofula	2. Consumption of Bowels	3, Phthisis (Con. of Lungs)

TABLE XVI.-Continued.-Causes of Death, Classified.

												8	TMD	188	COUNTIES.—1878.											١
CAUSES OF DEATH,-1878.	STATE.	Alcona.	Allegan.	Alpena.	Antrim	Bataga.	Barry.	Bay.	Benzie	Berrien.	Branch.	Calboun,	Cass.	Charlevolx,	CpepolEsu.	Chippewa,	Clare.	Cilnton.	Crawford.	Delta.	Eaton.	Emmet	Genesee.	Gladwin,	G. Traverse.	Jolland
4. Hydrocephalus	so.		1		-1	i	i	i	1	1	1	-	1		1	1	i	i	- 1		-	1				
6, Marasmus	9	-	1	T	1	Ī	1	1	ì	1	1	H	1	1	Ī	1	i	1	-1	Ť	1	1	1	1	1	1
CLASS III LOCAL DISEASES	3,481	*	93	23	10	61	25	83	10	105	1	19	92	14	10	4	9	68		10	98	01	86	C4	0	60
IIIOnder 1. Nervous System	1,330	60	34	00	00	1	0	81	00	55	65	31	53	4	1	-	00	200	_	10	3	1	26	1	60	18
1. Cophalitis	929	-	=	1	04	1	-	9	1	0	*	0	4	=	1	1	i	1	- 1	\$0	01	1	80	1	1	63
2. Apoploxy	99	1	01	1	-1	1	G+	7	1	7	64	00	-	1	1	1	1	00	-:	1	-	1	1	1	64	
3, Paralysis	254	-	9	1		T	24	10	:	00	20	10	4	-	- 1	;	-	x	-	1	9	1	10	1	1	
4. Insanity	17	1	-	;	1	1	i	1	1	1	1	1	1	1	1	1	1	1	;	1	i	1		1	1	- 1
5. Chorea	63	1	1	1	1	1	i	Ì	1	i	1	1	1	1	;	1	Ť	1		1	i	1	1	1	1	1
6. Epilepsy	31	1	1	1	:	1	1	Ī	1	-	-	1	24	i	- 1	i	1	-	-	1	01	1	1	1	1	- 1
7. Tetanus	1	1	i	1	1	1	1	-			1	1	i	1	1	;	1	-	-	1	-	1	1	1	1	1
8. Convulsions	288	1	**	1	-	1	1	9		*	01	-	100	İ	1	;	1	8	-	1	-	1	7	1	-	-
, Brain Disease	253	-	60	C+	1	-	00	-		9	9	00	6.0	i	į	**	-	10	-	1	120	1	1	1	1	
J. Dropsy of Brain	47	i	1	1	:	1	1	G4			i	i	i	1	1	1	i	1	-	ì	;	1	-	1	1	- 1
10. Spinal Ferer	63	ij	-	1	1	1	-	1	_	00	:	-	10	64		i	i	i	•	1	10	1	64	1	-	
11. Spotted Fever	:	1	1	i	1	1	1	1			i	1	i	1		1	T	1	+	i	1	1	1	*	1	i
12. Meningitis	10	1	1	1	1	1	1	1		(6)	1	Cŧ	-	i		i		1	-	Ť	1	i	1	1	1	
13. Meningitis, Cerebro-Spinal	00	1	1	i	- 1	1	1	i		-110	i	1	1	i	1	1	1	-	T	24	1	1	;	1	1	- !
14. Meningitis, Spinal	28	-	-	1	1	1	1	1		-	1	09	i	İ	i	1	1	-	-	1	60	i	i	1	1	1
15. Meuralgla			1	1	Ş	:	:	1		•	j		i	Ť	1	Ī	1	i	-	1	i	1	-	1	1	- 1

LIL	01	C1	92		1"	1 01	1 0	-	1	11	1	
	111		01		1 7	17	900	! "		11	01	
	1 1					11	1 "	1		11	1	
	13	=	20		13	1 10	18			-	-	11
	111		64		1 01	11	1 1	1		11	1	
	8 1	90	51		16	. 0	=	04 00	1	11	1	
	111		, ,		. 0	11	1 1	1		11	1	
	111				11	11	11			11	-	
	00	80	16		9	00 1-	1 61	01 00	-	11	1	1
	60	03				11	1 1			11	1	
			-		11	- !	-	-			1	
	-	-	60		- 01	11		1		11	1	
	111		01		1 01	11	1 1			11	1	
	4 01	61	15		28	. 63	10	1 4		11	1	
	15	=	16		1 01	: 9	1 0	- 00	1		-	
	13	10	20	61	14	H 03	15	1 6		11	1	
	12 04	13	100 100		1 23	9	1 11	01 4	1	11	04	
						11	64			11	1	
	9	9	16		=	64 63		m 60	-	11	1	
	9	9	90	-	1 "		1 9			11	1	
					17		1	-		11	1	
						1 -	1 0		1	1 1	1	
	-		7		1 4	1 00	1 -				1	
	11 0	9	84	-		01 81	13	04 00		1	C1	
							1 1				1	
-	18 78	367	838	10	20	31	11 585	090	-	4 01	H	
di Stationessississississississississississississi	rgans of Circulation.	36	-ORDER 3. Respiratory Organs	2. Laryngilis.	4. Pleurisy	6. Asthma.	8. CatarrhORDER 4. Digestive Organs	I. Gastritis	3. Peritonitis	5. Ulceration of Intestines	6. Hernia	8. Intussusception

TABLE XVI.—Continued.—Causes of Death, Classified.

					;						8	UNI	- EE	COUNTIES.—1878.										
CAUSES OF DEATH,—1878.	STATE.	Alcona.	Allegan.	Alpena.	Baraga.	Barry.	Bay.	Benzle.	Berrien.	Branch.	Calboun.	Cass.	Charlevolx.	Средоля	Chippewa.	Cilnton.	Crawford.	Delta.	Eston.	Emmer.	Genesee.	Gladwin.	Gr. Traverse.	Gratiot.
9. Stricture of Intestines	*	- 1	1	1	- 1	1	:	1		1			1	1	- 1	:	1	1	1	-	- :	- 1	1	
10. Fistula		- 1	1	- 1	1	1	1	-	i	1		1	-	1	- 1	- 1	-1	- 1	- 1	1	$-\frac{1}{1}$	1	- 1	1.5
11. Stomach Diseases	7.4		45.1	-4	- 1	-	-	61	-	O.	7	H	1	1	- :	1	04	-		01	:	94	-	- ;
12. Pancreas Disease		- 1	1	- 1	:	- !	1	i	1	****		1	1	1	1	1	- 1	- 1	1	1	1	1	- 1	115
13. Hopatitis	10		-	;	1	1	-	1	- 1	1	- *	-	1	1	- ;	1	- 1	- 1	- 1	1		-	-	1
14. Jaundice	81	1	:	1	1	1	1	1	-	-		1	1	į	- 1	- 1	1	1	1	- 1	1	-!	+	1
15. Liver Disease	111		*		-	-	01	64	61	-		60	-	1	- 1	-	20	1		01	-	9	-	
16. Spicen Disease	*	- 1	9	.;	-	-		-	1	1		- 1	1	1		1	- 1	-	- 1	-	1	-	1	1
17. Bowel Diseases, etc	555		20	-	+	-	1	1	01	-	-	i	1	-	- 1	- 1	-	-	-	-	- 1	-!	- :	
18. Mouth Disease	1		1	1	÷	1	i	1	1	1		-	1	1	1	1	+	1	1	+	1	1	+	- 14
IIIORDER 5. Urinary Organs	85		1	- :	1	-	*	20	10	9	9	ю		-	i	- 0	-	- 1		-		9	-	
1. Nephritis	13	-	1	- 1	+	-	:	i	1	i	*	1		-	1	:	1	÷	:	-	+	+	7	
2. Ischuria	1	-	1	1	1	!	1	1	-		,	i	1		1	1	+	-	1	+	- 1	-	+	- 1
3. Bright's Disease of Kidneys	62	- 1	1	- (	1	+		1		04	1	1	ì		- 1	:	200	1	-	61	-	*	-	-1
4. Diabetes	53		D4	!	-	-	94	_	64	61	04	1	1		1		-	1	+	1	;	-	+	
5. Calculus (Gravel, etc.)	53	1	1	1	1	- 1			1	1	- 7	61	i		- 1	1	-	-	1	i	-	-	1	- 1
6. Oystitis	11	- ;	- 7	1	- 1	-	-	1	1	i		1	i		:	-	-	+	-	1	-	-	-	- 1
7. Kidney Diseases	72		0	- 1	+	1	1	1	01	64	-	63	-		1	1	1	1	-	-	-	10	1	- 1
IIIORDER 6. Generative Organs	18	_			_	_						i					-		_	-		-	-	11.0

- Constant		01	Section 1	-		-					-							-				1	1	,
limer.		9			-	1	1	-	-	;	1	:	-	-	1	1		!	-	1	:	- 1	1	
"Dterns		6		1	-	1	-	1	1	1	1	1	1	1	i	-	1	1	1	-		4	-	
		1	1	1	1	1	-	1	1	1	1	1	1	1	-	1	1	1	:	+	:	1	1	
Yrgans of L	f Locomotion.	13	1	1	-	1	1	1	1	1	1	1	1	-	1	-	1	1	1	1	1	1	1	
*************		1	1	1	1	1	1	-	1	1	-	1	:	-	1	1	-	1	1	1	1	+	+	
lseases		12	1	1	1	1	1	1	1	1	-	-	1	1	1	1	1	1	1	1	1	+	-	
ORDER 8, Integument	entary System	82	-	1	1	1	-	69	00	1	G)	01	1		1	-	1	1	10	-	+	1		-
1. Phlegmon		53	-	!	-	1	1	1	-	-	1	1	1	-	1	-	1	1	00	+	1	1		-
2, Ulcer		00	-	:	-	:	1	!	:	1	1	-1	1	-	;	:	1	1	1	-	-	-	÷	-
3. Skin Diseases		41	1	1	-	1	1		C4	1	-	7	1		-	:	:	1	Oil Oil	1	100	+	:	
CLASS IV DEVELOPMENTA	TALDISEASES	1,825	32	6	1	1	22 27	2	83	18	44	27	7	20	5 5	40	01	01	50	4	99	-	01	1
IVORDER 1. Dev. Dis. of	of Children	933	14	7	-	:	11 11	10 3	11	10	22	15	1	-	10	24	9	-	10	1	23	-	-	99
1. Still-born		795	. 14	10	1	1	7	13 1	13	10	17	11	1		01	55	0	-	14	1		:	*	61
Infantile		81	1	:	1	-	1	1	7	:	49	1	1	:	1	50	:	T	-	1	1	1	1	D
Premature Birth.		84	-	1	-	1	00	1	1	:	1	00	-	-	01	-	-	1	04	1	C+	+	-	
3. Cyanosis.		1	1	1	-	-	-	1	1	-	-	-	-		-	:	****	1	1	1	1	1	1	
4. Spina Bifida		1	1	1	-		:	1	1	-	-	-	1	-	-	-	-	1	1	1	-	1	1	
5. Other Malformations	ns	11	1	:	1	-	:	1	1	-	:	-	1		-	1	:	1	-	1	1	1	-	-
6. Teething		09	-	1	1	-	-	1	1	1	-	-	1	1	-	:	-	1	-	1	+	1	1	
7. Injury at Birth			1	-	-	- 10	1	1	-	-	-	1	-	-	1	-	1	1	1	1	1	1	1	9
IVORDER?. Dev. Diseases of	sses of Women	181	20	04	1	-	10	99	7	-	1	-	-	1	1	9	1	-	-	70%	9	-	-	-
Dysmenorrhea		200	1	1	-	1	1	1	1	1	-	1	1	-	1	1	1	1	1	1	1	1	1	
" Turn of Life		10	:	1	1	:	1	1	-	1	1	1	1		:	-	1	1	:	1	1	1	:	
Childbirth		167		C4	1	:	10	-	7	1	-	1	1	1	1	2	-	-	-	0.1	9		m	-
2 Abortion		1	01	1	1	1	-	1	-	-	-	1	1	1	-	-	1	i	1	1	1	1	-	
Uterine Hemorrhage		61	1	-	-	-	1	1	1	1	-			-	-		1	il	-	-	+		-	11

TABLE XVI.—Continued.—Causes of Death, Classified.

				1			ļ			ĺ	8	TXO	COUNTIES1878.	1878		ļ		- 1			l	i		ł	
CAUSES OF DEATH,—1873	ATATA	Alcona.	Allegan.	Alpena.	Antrim.	Baraga.	Barry.	Bay.	Benzie.	Berrien.	Calhoun.	Cass.	Charlevolx,	Cheboygan.	Chippewa.	Clare.	Chinton.	Crawford.	Delta.	Enton.	Emmet	Genesee,	Gladwin.	Gr. Traverse.	Gratlot.
IV ORDER 3. Dev. Dis. of Old People.	679	- 1	22			1	10	, 1	1	90	7	10	10	794	1		=	_	- 1	-	6	91	-	-	7
1. Old Age	579	- 5	13	-	1	1	10	1	11	00	*	n n	10	Ġŧ.	1.	1	10	_	1		0	01	1	-	-
IV ORDER 4. Diseases of Nutrition	130	- )	G4		-	1		1		-	200	01	1		- 1	. !		_ ;	- 1		- 24		99		-1
1. Atrophy and Debility	129	1	O.	1	ı	1	-	-		4	92	01	-		1	1		-	1		01		100	-	-
CLASS VVIOLENT DEATHS	691	80	12	00	94	-	10	7		10	51	=	90	01	-	10	60	1	*	50		1 1	12	_	
V OROER 1. Accidentor Negligence.	415	1	13	94	01	1	10	03		13	0	00	9	94	-		04	- }	40	_		_	00	-	_
1. Fractures and Contusions	63	1	80	:		1		00	1	01	-	-	-	-	-	1	-	1	80		- 1	- 1	1	1	1
2. Wounds	18	1	F	1		1	1	:	1	-	1	1	1		1	1	-	- 1	i	7	1	- 1	- 1	1	1
& Burns and Scalds	10	- 1	91	-	•	i	1	03	1		-		1		1		_	1	1	7			1		04
4. Poison.	52	1	1	-		i	1	-		-	1	-				1		1	1	-	i		<u>_</u>		
5. Drowning	117	1	94	1	+	1	24	10	1	9	01	*	01	_	00	i	_	1	01	1	-	1	1	1	1
6. Suffocation	25	1	01	1	146		*	-	1	0.0	1	1	1	_		1	_	i	i	-	-	1	1	1	
7. Otherwise	88	1	Q4	1	01	_	61	:	i	60	-	01				_		1	1	-	1	-		1	-
VOndung. In Battle		- 1	- }	1			1	1	1	-	1	,				1		1	1	- 1		-	1	1	
VORDER 3. Homicide	11	1	-	1	-		1	1	-		1	_		-	_			i	-	1	- 1			1	_ 1
l. Murdor	a	1	-	1		-	1	1	1		!	-				1		1	-	1	1	-	00	1	- 1
VORDER 4. Suiolde	63	1	-	1			*	1		-	-	C1				1		1	1	- !	i	- 1		1	1
1. Wounds	10	1	7	1	-	1	7	÷		-	-	-			_	J		J	j	1	1			1	1

١

2 Polson	=	1	1		1	1	1	****		-		64	-			1				1	<u>:</u>	i	à.	1	4	į
8, Drowning	63		- 1		1	1	1	-		1		1				:			•	1	<u> </u>	į		-1		į
4. Hanging	11		- 1		1	i	-	-		-		1				;				i	<u> </u>	:	4	1		į
5. Otherwise and not Specified	86	:	- }		1	1	1	1		1		1				1			,	1	_	· ·	1.	1	1	į
VOndun & Execution	1	- 1	- 1		1		1			1		- 1				;				1			- 0	1	- 1	į
1. Hanging	1	1	1		1	1	1	1		:		1	. 1			1				1			19	1	1870	į
VORDER 6, Violent Deaths not In-	203	63	0		1	- 9	*	7		60		7	-			-				-			1	- 1		i
UNCLASSIFIED	53	1	- [	1	1	1	1	1	1	1	-	04	-	İ	Ì	İ	1	1	i	1	63	:	1	;	-	1
1. Corn on Foot	-	1	- [	1	1	1	1	-	1	i	1	i	i	İ	İ	i	1	1	i	i	i	i	1	1	1	1
2. Hend Discase	93	1	1	-	1	1	1	1	1	i	i	1	-	i	1	i	i	1	i	i	1	+	1	1	1	1
3. Head, Rupture in	7	1	1		1	1	-	-1	1	İ	i	i	i	i	i	j	İ	i	i	i	i	i	i	i	+	
4. Hemorrhage, Umbilical	04	1	1	1	1	1	1	į	-	1	1	1	İ	i	1	i	i	1	1	1	-	i	1	-	-4	1
5. Hemorrhage	21	1	-	1	1	1	1	1	i	1	i	1	i	1	Ť	i	i	i	Ť	1	1		i	1	-	
6. Inflammation	83	1	1	1	1	1	1	1	İ	T	-	96	i	i	1	-		i	i	1	-	1	-	i	+	
Causes not Specified	1,306	20	55	ē	O1	60	=	88	-	22	=	11	11	=	âl	11	-	=	T	8	13	63	GI	-	60	9
		Ì																		١						i

TABLE XVI.—Continued.—Causes of Death, Classified.

			ЬŃ								Ö	COUNTIES,-1878	IES.	-181	»;											
OAUSES OF DEATH,—1878.	Hillsdale.	Houghton.	Huron.	Ingham.	.alnol	losco.	Isabella.	Inle Royal.	Jackson.	Kalamazoo.	Kalkaska.	Kent.	Кемеспаw.	Lake.	Lapeer.	Leelanaw.	Lennwee.	Livingston.	Mackinac.	Масоть.	Manistee.	Manitou.	Marquette.	Mason	Mecosta.	Menominee.
All Causos	888	263	101	193	230	52	73	1	317	183	18	260	62	81	180	25	230	156	12	623	18	9	1997	19	73	6
Specified Causes	36	181	8	178	198	47	19	1	339	257	35	516	1 25	1 5	166	1 98	201	136	1 21	27.2	8	1 40	193	63	19	~
Causes not Specified	55	79	18	15	35	ю	=		28	**	1	=	i	-	7	138	50	05	60	10		-	35	24	6	
CLASSES.				1			1		1	Ī	1	1	i	1	1	1	1		1	i	1					
IZymotic Discases	75	7.1	14	8	43	53	61	1	116	52	19	138	9	1	6	0	9	30	-	12	55	1	77	17	17	Ċ1
IIConstitutional Diseases	11	18	20	63	45	95	1-	i	10	61	1	103	92	*	27	21	67	30	-	57	=	-	21	18	9	
IIILocal Diseases	73	11	27	59	64	11	16	i	107	8	=	163	16	00	20	*	113	89	;	87	00	-	60	22	21	G1
IVDavelopmental Diseases	40	65	139	17	25	Ĉ4	13	1	2	37	i	20	35	60	91	-	69	13	20	5	11	01	ā	20	13	n
VViolent Deaths	9	19	9	10	16	10	70	1	21	21	-	30	-	10	01	10	=	7	-	21	9	-	55	65	9	≈
Unclassified		-	99	1	1	1	7	1	1	+	1	-	1	1	91	1	-	-	1	1	1	1	1	:	i	ŧ
Овревв.																_			_							
I.—1. Miasmatic Discases	75	70	13	60	4	50	80	1	114	99	9	138	20	-	9	10	09	18	-	23	83	-	11	14	=	31
2. Enthetic Diseases	1	1	4	1	1	- 1	1	1	1	1	1	i	Ì	1	1	-	1	1	1	-	i	1	1	1	i	
3. Dietic Diseases	:	:	-	1	1		1	-	-	-	1	1	i	1	1	1	i	1	-:	1	1	1	1	1	i	i
4. Parasitic Disenses	1	-	1	1	-	-	1	1	•	Ī	-	1	1	i	i	1	i	1	1	01	i	1	1	1	:	
II1. Diathetic Diseases	16	10	00	=		-	00	1	100	14	- 1	50	-			*	18	21	-	92	1	i	9	65	64	. :
2. Tubercular Disoascs	55	13	17	19	8	1-	*	1	38	17	-	28	24	25	02	20	63	27	-	7	=	-	16	1.5	-	:

64		1	1	1	4	4	00	-	4						3.0			-6	1					
01	00				311	3	-	10		1	1	4	1	-			01	91	1	1	1	-	1	1-
	-	10	-	1	T	-	10	00	735	Ť	-	1	i	Ì	:	1	17	17	1	İ	20	01	1	=
63	20	1	T	1	İ	1	10	-	1	CH	20	1	T	İ	1	0)	=	11	1	1	75	1	1	-
- 1	0	0	01	1	1	-	61	-	-	-	-	1	1	1	1	27	12	11	4	64	18	10	1	21
1	1	1	1	1	1	-	1	-	01	1	-	Ī	1	1	1	1	-	-	1	1	-	i	1	-
-	-	60	-	1	1	-	=	00	1	C4	-	1	1	1	1	61	60	65	1	1	4	-	1	-
14	18	10	NO.	1	1	00	7	9	13	00	00	1	1	02	1	-	71	8	-	1	1	17	-	04
	:	1	1	1	1	1	1	Q1	-	1	-	1	1	1	1	1	-	-	1	:	-	-	1	I
*	17	12	-	1	1	1	00	61	-	-	-	1	1	-	1	01	18	18	1	1	-	10	1	00
12	21	15	20	1	-	9	19	60	96		7	1	1	00	1	-	99	09	1	-	00	12	-	04
01	1	1	1	1	1	-	61	124	-	01	4	1	1		1	1	10	0	1	-	1	1	1	1
00	11	9	4	1	1	1	Φ.	64	00	70	36	1	i	1	1	01	49	49	1	-	28	7	-	9
1			i	1	1	1	99	-	1	1	80	1	1	1	1	Q1	1	-	1	-	1	1	-	1
-			-	1	1	1	_ ~	-		1	1	1	1	1	-				1	1	1	-	4	
29	-	31	14	60	-	01	24	9	60	10		1	1	6	1	10	-	-	1	1	*	64	1	15
		4		1	1	1	1	-	1	1		1	1	1	1	1			1	1	1	1	1	-
13	-			24	1							1		21	1			22	1	1	7			
-	50	13	-		1			_	16	60	-	1	1		1		116	114	1	1	-	35	1	1
1	-	-	1	1	1	1	;	1	1	1	-	1	1	1	1	1	1	1	1	1	1	1	1	1
				1	1	-	- 1			1		1	1	1	1	_			-	-		-	1	1
90	-	10	-	-	1			-	10	-		1	1	-	1				1	1	24		-	1
-	-	-	10		1				90			1	1	75	1				-	1			10	100
-				-	1	_		OV	-	-		1	1	-	1	1			,	1	-		1	-
80			,		1			4	1	01		1	1	-	1				1	1	9	-	-	9
01	-			1	1			80	00		- 7	1	1	-	:				-	01	75	6		CI
	-	-		1	-	-				-		1	1		-		-	-	1		G#	-	-	-
2. Diseases of Organs of Circulation.	3. Diseases of Respiratory Organs	4. Diseases of Digestive Organs	5. Diseases of Urinary Organs	6. Diseases of Generative Organs	7. Diseases of Organs of Locomotion	8. Dis. of Integumentary System	4	2. Developmental Dis. of Women	3. Developmental Dis. of Old People	4. Diseases of Nutrition	Accidentor Negligence	2. Battle	3. Homielde	4. Suicide	5. Execution	6. Violent Deaths	ASS I.—ZYMOTIC	-ORDER L. Minsmatte	1. Small-pox	2. Measles	3. Scarlatina	4. Diphtheria	5. Quinsy	6. Croup
	On. 12 3 4 4 8 T 1 16 13 1 29 1 8 2 12 4	on. 12 3 4 4 8 T 1 16 13 1 29 1 8 2 12 4 14 1 14 1 14 1 18 7	(on. 12 3 4 4 8 1 1 1 16 13 1 29 1 8 2 12 4 14 1       18. 15 15 15 15 8 7 20 23 2 26 10 2 14 1 21 17 18 7       11 6 8 9 16 2 13 14 4 31 2 2 9 1 15 12 10 3	12. 12. 3. 4. 4. 8. T. 11 16. 13. 1 2.0 1 8 2 12. 4 14. 11 18. 17 18. 17 18. 7 20. 23. 2 26. 10. 2 14. 1 21. 17 18. 7 11. 6. 8. 9. 16 2 13. 14. 4. 31. 2 2 15. 12 10. 3 15 15 17 18. 7 17. 2 1 14 4 5 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 5 5 5 5 1 5 5 5 1 5.	00. 12 3 4 4 8 1 1 1. 16 13 1 20 1 8 2 12 4 1. 14 1 1 1. 16 13 1 1 20 1 8 2 12 4 14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	18. 18 16 5 15 15 8 7 20 23 2 26 10 2 14 1 21 17 18 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	12 3 4 4 8 1 1 1 16 18 1 20 1 1 8 2 12 4 1 14 1 1 1 1 1 1 1 1 1 1 1 1 1 1	S. 18 16 5 15 15 8 7 20 23 2 26 10 2 14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	S. 18 16 5 15 15 15 17 20 23 2 6 10 2 14 11 11 11 12 11 11 11 12 11 11 11 11 11	8. 19 8 4 4 8 1 1 1 16 18 19 19 19 19 19 19 19 19 19 19 19 19 19	S. 18 3 4 4 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	60. 12 3 4 4 8 1 1 1 16 18 13 1 20 1 1 8 8 2 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1	S. 18 16 5 14 4 8 1 1 1 16 18 1 1 20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	S. 19 3 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	San Jan Jan Jan Jan Jan Jan Jan Jan Jan J	San 19	8	60n. 122 8 4 4 8 1 1 1 16 118 11 129 1 1 8 9 9 11 1 9 11 1 1 1 1 1 1 1 1 1	Piratory Organs.  15 16 15 15 15 15 15 15 15 15 15 15 15 15 15	Ansof Circulation. 12 3 4 4 6 8 1 1 1 16 18 1 29 1 1 8 9 1 19 4 14 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Ansof Circulation. 12	Ansof Circulation. 12 3 4 4 8 1 1 1 18 11 29 1 18 11 29 1 18 1 1 19 1 1 1 1 1 1 1 1 1 1 1 1 1	Ansof Circulation. 12 3 4 4 8 1 1 1 18 11 29 1 19 11 1 1 1 1 1 1 1 1 1 1 1 1 1	Ansor Circulation. 12

TABLE XVI. -Continued .- Causes of Death, Classified.

	Menominee.	
	Mecosta.	01 95   17   185   61   17   1
	Mason.	
	Marquette.	- 4   -
	Manitou.	
	Manistee.	77
	Macomb.	2   0   1   7   0   1   1   1   1   1   1   1   1   1
	Mackinso.	
	Livingston.	
	Гепаwее.	H   01 01 11   11 0   1. 4 1. 01
1	Leclanaw.	"     7           7
878.	Lapeer.	
8,-1	Lake.	
COUNTIES1878.	Keweenaw.	
COD	Kent	E
	Kalkaska.	
	Lalamazoo.	0 00   00 01   04 00 1-   100 00 04
	Ласквоп.	9 9   1 1 1   1   2 8   1   1   1   1   1
	Isle Royal.	
	Isabella.	. 4   .
	Tosco.	7 "             0 * 7
	Ionia.	86
	Ingham.	01 00       00   00     10 m ot
	Huron.	
	Houghton.	L E     4       4 4 00         01
	Hillsdale.	1 2 2 1 1 2 3 1 1 1 4 9 1 1 1 1
	OAUSES OF DEATH,—1878.	T. Whooping cough  (Typhoid Fover Typho-malarial Fever Typho-malarial Fever Typho-malarial Fever Typho-malarial Fever Typho-malarial Fever Typho-malarial Fever Typho-malarial Fever Typho-malarial Fever Typho-malarial Fever

200000000000000000000000000000000000000		The state of the s
1111111	1111111	
	0 04	
		15 15 15
1111111	21 2 1	D 00 1 1 10 10 10 10 10 10 10 10 10 10 10
	1111711	
1111111	1111 = 11	1111 = 11
1111111	16 16 19 19	6 1 1 1 1 9 6
1111111	1111771	9 9
	1 1 1 8 81	86 1 19 1 98
	18 18	00 00 00
	21 *	*     0   0
	1 2 2	2 2 1 8 1 1 88
	" 01	01 01 01
		1 1 0 1 7
HIIIIII	103	1 0 0 1 5 0 0 0 8
7           7	1     5 7	9 1 1 1 9
7111117	1 1 1 1 1 1 1 1	88 1 1 88
		0     1   7
	1 1 8 1 1	
	1   1   24	10 01   15 01 01 00
	1   8 7	4 0   1 8 9 1
7         7	86 80	8   1   1   1
	1 18 1 1	c+ 20     E2     83
	1 1 1 1 1 1 2 1	2 1 2 1 2
remens (Alcoholism)	Parasitio  1. Thrush 2. Worms 3. Disease of Scalp  CLASS II.—CONSTITUTIONAL  II.—ORDER J. Diathetic  Amenia	2. Cancer 4. Noma (Canker). 5. Mortification. 11.—Order 2. Tubercular. 2. Consumption of Bowels. 3. Phthisis (Consumption of Lungs).

TABLE XVI.—Continued.—Causes of Death, Classified.

			1	1		,			,			١.													
OAUSES OF DEA	15 A TH 1774	Managadia	Bonghon	Haran	Ingham	Ioseo.	alledesI	Janyoff stat.	Jackson	Salamazeo.	Kalkaska	Kent,	Усиссиям.	Lake	Lapeer.	Leclanaw.	Lenawee.	Livingston.	Mackinac	Масоть.	Manistee.	Manitou	Mason.	Mecosta.	.enominee.
. Hydrocephotos	**************************************		1	*	3	1	-	1	1	1	1	-	3	1	1		1	1	1	1	1		-	-	1.6
B. Managameterson	* TO STATE OF THE	2	*	1	2	1	1	1	1	1	1	1	-	1	1		İ	i	i	i	1		1	1	19.1
will - Toolat Die	SERABER.	7.00	2	12	2	72	11	91	107	8	=	163	16	100	99	1-	113	288	1	87	50	1	170	133	6
DEDREEL MOFFOR	tries thy state	8	18	*	*	12	-	*	4	25	80	14	93	4	20	04	22	22	1	87	-	1	16	9	10
Samuel Hill section	Catalogue	44	0.	i	0	0	- 2	-	-	-	-	18	-	1	00	-	9	69	:	40	-	1	00	-1	0.00
Charles Parente	See of the second		2	1	-	69	7	1	9	9	:	.04	"	-	*	- 1	2	-	1	*	1	+	1	1	-04
The Marketon	Secretaine	æ	-	- 5	*	20	21	1	18	-	1	6	1	-	63		13	9	:	10	-	1	-	93	
Section of Section		17	4	i	1	1	- 1	-	1	10	1	-	1		1	•	-	i	i	i	+	1	-	-	
nercount.	Para section s	-	7	1	1	+	1	1	1	1	1	-	1	1	1		1	1	i	1	1	İ	1	-	
SALES AND SECOND	elimethorn	*	;	1	*	-	1	1	1	24	1	01	1	1	1	4	1	-	ī	7	G\$	1	1	QI.	
Welkense sesson or	design contract of	1	4	1	*	1	1	1	1	1	-		-	:	1	1	Ť	1	1	;	1	1	1	1	
e. Chavalabina	SERVICE CO.	g	*	9	89.	10	-	1	89	69	1	9	ì	1	ON	-1	10	60	1	00	50	1	10		ot
Brain Diseaso	patherace	0	QH.	29	9	0	-	-	10	1	1	9	i	1	10	- 1	11	6	1	7	+	1	10	-	1.0
T Dropay of Brain.	R betreetes	4.	28	-	89	-	1	1	1	1	1	*	1	1	1		-	i	1	-	+	+	+	-	F
io, figural Payer	antennanta (	tie.	;	1	26	-		-	_	1	1	*	1	-	-	-		1	1	1	1	1	-	-	,
Il. Spotted Vever			;	1	1	:	1	1	1		1	i	1	1	1	-	i	i	1	1	1	1	1	1	у.
it. Beningitta	**********	1	;	1	1	+	1	1		1	1	64	i	1	1	÷	1	1	1	-	1	1	-	1	
13, Meningitie, Cerebi	ebro-apin	:	;	1	:	1	1	1	i	:	1	1	1	-	1		i	i	1	1	1	1	- 1	- !	- 1
14. Mentugitts, Spinal.	int.	-	÷	1	+	1		-	:	-	ÇN	-	1	1			8	01	1	1	1	-:	1	- 1	-
15. Nouralgia																		T				-		_	

	1															-							
	Ī	1	-	- 1	:	1	i	+	-	-	-			1	1	-	1		- 1	. 1		1	1
pons,	Ť	1	1	:	3	1	1	+	1	-	1			1	1	1	1					1	1
-ADER 2. Organs of Circulation	fon	12	80	_	00	1	-	;	16	22	1 29	_		00	61	120	4		7	-		00	91
3. Pericarditis	i	-	-	10	9	1	1	1	-	04				61	1	60	;		93	- 1-	_,		-
2. Aneurism	Ī	1		- 1	-:	1	i	÷	1	-	1	_		1	1	1	1			+	_,	- 0	1
8, Heart Diseaso	Ī	11	01	-	60	1	-		12	01	1 22	-	, need	0	64	Oi.	4		=	-		01	-
4. Emboli	Ì	1	1	1	1.	1	i	÷		1.5	1	.1.		1	1	1	1					7.	1
IIIORDER 3. Respiratory Organs	:	18	16 5	15	15	n	1	1	88	83	61	10	04	7.	1	5	17		8	-	Œ.	60	00
1. Epistaxis	Ì	- 1	1	- 1	- 5	. 1	-	1	;	1	_	- 1		-	1	1	1		- 1	,			1
2. Laryngitis	İ	-	-	-	. ;	-	+	1		- 1	1	_		i	1	-	-				i	+	- 1
3. Bronchitis	Ī	1	4	- 1	-	i	i	;	-	~	_	60		1	i	63	1	1	-	-	Ĭ.		- 1
4 Pieurisy		-		_	. :	1	t	+		-	1	-:		-	1	1	-	1	-	_	,		÷
5. Pneumonia	i	7	00	=	10	-	10	1	=	80	91	*	_	9	*	30	21	1	=	*			9
6. Asthma	1	1	01	14	;	-	1	-	-	-	-	-	1	i	1	1	01	1		-	1		-
7. Lung Discase	i	9	01	_	4	-	C1	1	*	93	6	e.	1	*	1	*	01	1	43		20	-	-
8. Catarrh	Ī	- 1	1		1		+	÷	+	1	1	,	1	1	1	1	1	1	-	_		-	-
III ORDER 4. Digestive Organs.	i	7	8		16	- !	C1	1	13	17	4 31	91	Q1	0	-	15	21	-	10	20	6	.4	10
1. Gastritis	i	1		:	- 1	- 1	1	-	:	:	.00	- 4	-		1	90	-	1	-			- 1	1
2. Enteritis	-	63	80	9	6	-1	=	1	-	19	13	-	1	00	1	6	*	:	90		6	-	01
3. Peritonitis		1	-	_	D4	-	+	1	1	C4	-		i	i	1	1	1	+			;	- 1	
4. Ascites		1	i	:	:	i	+	+	-	-	1	*	1	1	Ì	i	1	+	1	-			1
5. Ulceration of Intestines		1	!	1	1	:	1	1	1	:	_	•	1	1	-	1	1	1	- 12				i
6. Hornia		;		_		-	-	+	1	-	-	.90	1	1	T	1	1	1	1		- 1	-	-
7. Obstruction of Bowels	İ	1	1		1	1	1	+	1	:	1		1	2	İ	1	1	1	-		T.		1
8. Intusausoeption																							

TABLE XVI.—Continued.—Causes of Death, Classified.

COUNTIES.-1878.

			-		_		-		10					-								•			9
CAUSES OF DEATH,—1878.	Hillsdale.	Houghton.	Huron.	Ingham.	.0080I	Isabella.	Isle Royal.	Jackson.	Kalamazoo	Kalkaska.	Kent.	Мешеепаw	Lake.	Lapeer.	Leelanaw,	Lenawee	Livingston	Mackinac.	Macomb.	Manistee.	Maniton.	Marquetto	Mason.	Mecosta.	Menomine
9. Stricture of Intestines	+	1				1		_				1		_			1 1	T		T	1		1		
10. Fistula		;	-	-	-1	1	1	1		i	;	1	i	•	i		-	1	i	- 1	i	i	1	i	1
11. Stomach Diseases	60	-	-	-:	1	- :	1	-	-	1	9	1	1		-	1	4	i	1	01	1	1	1		1
12. Pancreas Discase.		1	1	1	1	1	1	1	×	1	1	i	1			1	- 1	i	1	:	:	1	1	ı	1
13. Hepatitis	1 1	;	-	1	:	:	1	1	-1	1		1	1	98	,	1	-	1	1	1	1	1	3	1	1
14. Jaundice	•	1	+	1	:	-	-	1	-	i	-	ì	1			1	-	i	:	1	1	1		-	- 1
15. Liver Discases	00	-	•	1	60	1	1	01	-	i	00	i	- 1			G4	24	1	90	-	1	-	1	-	j
16. Spleen Discases		;	i	-:	-	1	1	- 1	- 04	1	1	i	-	- 1	_	-	1	:	1			. [	1	1	
17. Bowel Diseases	01		01	1	01	1	_	01	_	01	90	1	- 1	13		i	1		;	i		1		1	i
18. Mouth Discase		i	+	1	1	1	1	1	1.296	1	1	1	1		_	;	1	i	1	İ	i	1	4		1
[11ORDER 5. Urinary Organs	10	:	-	10	-	-	-	1	01	-	×	i		-		10	1		40	-	- 1	01	1	-	- 1
l. Nophritis	1	1	i	-	1	1			1	1	1	i	1	m	-	1	i	1	1	1	1	-	1	1	1
2. Ischuria		i	1	1	1	1	1	1	1	1	1	1	1		-	i	1	i	i	i	1	1	i	1	1
3. Bright's Discase of Kidneys		i	1	1	-	1	1	01	Q1	:	62	1	1	m		-	1	1	14	i	1	1	1	i	1
4. Diabetes	1100	:	-	01	-	1	1	C-9	1	1	93	i	1			0+	;	i	+	1	-	1	i	i	1
5. Calculus (Gravel, otc.)	•	i	+	1	-	-	1	-	:	1	-	1	1	1. K.		1	1	1		i	1	1	-	-	:
6. Oystitis		i	1	-	1	1	-	1	1	1	1	i	1	J		1	1	1	~	i	1	-	1	i	1
7. Kidnoy Disease	10	1	1	01	-	1	-	04	1	1	7	1	1	Ġŧ.		01	1	j	60	-	1	1	1	-	
IIIOrder C. Generative Organs			-		-	-		-	91		00							3							

TABLE XVI.—Continued.—Causes of Death, Classified.

IV.—ORDER 3. Dev. Dis. of Old People 188 1 1 1. Atrophy and Debility	1																			,		
d People 18 1  utrition 2 2  2 2  6 19	Huron.	Ingham.	Ionia.	.alledaal	Isle Royal.	Jackson.	Kalamazoo.	Kalkaska.	Kent.	Кемесваw.	Lake.	Lapeer.	Leelanaw.	Lenawee.	Livingston.	Mackinac.	Macomb.	Manistee.	Manitou.	Marquette.	Mason.	Mecosta.
80 04 04 00 H 04 04 00	4	90	10	;	-	16	19		65	Ci		90	-	8			19	-	64	-	-	4
04 04 00 04 04 05	4	90	10	1	-	16	19	1	23	64		00	-	56	7		13	-	O1	-	-	*
6 6 6	-	-	+	- 1	- !	60	-	1	10	1	-	0	69	-	-	5	00	64	:	-	01	- ;
6 19	7	-	*	+	1	99	7		10	i	1	10	0.9	-	-	_	00	64	:	-	04	- 1
	9	10	16	10	90	. 51	15	п	30	-	10	13	10	=	-		12	0	-	34	10	-
VORDER 1. Accident or Negligence 3 10	4	64	00	-	-	7	6	-	16	- 1	60	10	*	7	-	- 1	00	1	-	t-	63	E=
1. Fractures and Contusions 1 4	1	-	г	-	1	04	-	1	60	i	1	Ť	1	10	1	-	01	1	÷	+	1	61
2. Wounds 1	1	i	1	1	1	1	-	1	-	1	1	i	i	i	-1	-	-	+	+	+	+	1
3. Burns and Scalds	п		1 09	1	-	04	60	-	*	1	03	*	i	1	04	-	:	69	1	:	-	-
4. Polson	1	-	64	:	61	-	04	1	80	1	1	-	1	H	-	:	÷	1	+	1	+	
5. Drowning	-	1	01	-	1	-	-	1	G#	1	1	-	64	1	1	-	01	19		+	:	01
6. Suffocation	1	-	+	+	1	1	-	1	1	i	1	1	-	-	01	-1	+	+	-	09	-	04
7. Otherwise	CI.	1	-	-	1	-	1	1	00	1	-	-	-	÷	1	-	60	1		•	64	H
VORDER 2. In Battle	1	÷	+	- 1	1	_	1	1	1	1	1	İ	i	i	1	- 1	+	+	÷	+	+	- 1
VOEDER 3. Homicide	1	Ť	1	+	1	1	- 1	1	-	1	1	Ť	i	÷	1			- 1	- 1	+	+	- :
1. Murder	1	i	+	1	1	1	1	-	1	1	1	İ	i	i	1	-	+	÷	÷	+	+	-
VOuder 4. Suicide	-	4 ,	-	1	1	1	¢,	1	0.0	1		1	-	60 -	н		60	+	+		- 1	- 1

2. Polson	İ	İ	1		İ	i	+	t	Ī	1	1	04	3	÷	1	+	1	÷	i	=	İ	Ť	1	1	1	1
3. Drowning	i	İ	1	-	i	i	1	1	i	1	1	-	1	1	i	1	-	1	1	i	1	1	1	-		1
4. Hanging	i	1	ì	i	i	1	1	1	i	1	1	-	i	i	1	-	-	1	1	-	1	1	1	1	1	1
5. Otherwise and not Specified	-	-	п	a4	-	i	i	1	1	-	1	100	t	1	i	i	1	7	1	-	1	1	1	1	1	1
V ORDER 5. Execution	ì	ij	i	1	i	i	i	i	i	i	÷	i	i	1	i	1	i	i	i	i			- 1	- 1	1	-1
l. Hanging	İ	İ	i	t	İ	i	i	i	i	1	1	1	i	i	İ	i	i	i	1	i	1		1	1	1	1
VORDER 6. Violent Deaths not In-	DR.	1 90	-	*	1-	-	-	- 1	10	-		10	-	oi	61	1	-	64	- 1	-	64		12	Ç4		61
UNCLASSIFIED	1	-	60	İ	i	1	-	i	1	-	1	~	1	1	01	1	-	-	i	1	1	1	1	1	1	1
l. Corn on Foot	i	1	i	1	i	i	i	i	1	†	i	Ť	1	i	i	i	i	i	1	Ī	1	1	1	1	1	1
2. Head Disease	i	1	1	1	i	i	1	i	1	1	1	-	1	i	i	1	i	i	i	i	Ī	1	1	1	i	1
3. Head, Rupture in	1	i	i	i	i	i	1	1	i	Ť	i	i	1	i	i	i	i	i	i	1	-		1	-		i
4. Hemorrhage, Umbilical	i	i	İ	i	i	İ	1	1	1	1	1	+	T	İ	i	i	İ	i	i	İ	1	1	1	1	1	1
5. Hemorrhage	i	i	1	Ť	i	1	=	+		-	1	1	1	Ť	i	i	1	-	i	İ	i	1	1	1	1	1
6. Inflammation	1	1	63	i	i	i	Ť	t	İ	i	Ť	Ť	i	1	64	1	-	i	İ	İ	İ	1	1	1		1
Causes not Specified	53	79	18	35	65	ю	=	1	18	22		3	1	-	#	13	8	8	00	10	*	н	. 25	64	6	-
	-	1	1	1	-	1	1	1	-			1	-	1	1	-		1			1	1	1	1	1	1

TABLE XVI.-Continued.-Causes of Death, Classified.

	CAUSES OF DEATH, - 1878.	1868	Causes 49	not Specified 3	OLASSES,	17 January Districtor	Illutional Diseases 10	10	tal Disenses	60		17		District	DISTACE	- Diseases
	Missankee.	21	13	04	1	00	01	7	-	-	1	00		1	1	01
	Monroe.	310	269	41	1	20	8	84	57	19	1	69	3	1	-	12
	Montealm.	198	180	18	1	48	4	41	34	13	1	48		-	1	34
	Muskegon.	171	130	41		25	88	88	21	17	-	6		-	Ì	13 CA
	Nemuleo.	00	67	=	1	17	08	15	6	10	-	17		1	-	क हा
	Oakland. Oceana.	231	308	553	-	83	53	121	41	9	-	50	-	-	1	0 8
	Ogemaw.	16	1 99	10		-	51	24	0	10		-	- 1	1	1	1 00
	Ontonagon.	65 33	6 8	1	-	-	-	-	-	-	-	-	i	-	-	<del>-</del> ;
	Osceola.	89	30 66	64	_	5 14	7	11 18	6 17	10	-	5 14	- 3	-	1	1 00
Cor	Otsego.	C.	Q.	1		61	1	-	!	1	1	64	- 1	1	1	
COUNTIES,-1878.	Ottawa.	249	226	64		14	48	26	57	8	1	43	1	1	-	19
18,-1	Presque Isle.	96	12	=		4	4	00	OR	64	1	- 4	1	1	1	- 10
878.	Roscommon.	9	10	-		-	1	01	1	-	i	-	-	1	T	11
	Saginaw.	524	474	20		135	66	126	147	40	:	134	1	1	-	10 83
	Sanilac.	135	100	5.0		23	16	60	77	10	C4	65	1	1	1	4 00
	Schoolcraft.	4 18	4 15	-		1	1	00	-	:	1	-	- 1	1	-	1
	St. Ciair.	137 310	951	11 31		24 69	28 50	55 88	16 56	23	-	24 69	- 1	1	1	7 16
	St. Joseph.	500	3 195	6		49	98	02	1 29	7	01	48	1	_	1	10 10
	Tuscola.	150	137	13		30	30	40	85	13	*	30	1	1	-	9 8
	Van Buren.	916	230	18	-	47	280	87	25	10	60	99	1	-	1	19
	Washtenw.	330	314	16		17	61	99	29	17	-	76	1	-	1	138
	Wayne.	1949	1745	501		505	386	895	308	77	6	408	-	10		80 762
1 1	Wexford	98	13	1	1	25	10	16	20	00	-	35	-	1	1	OT

	18	90						-					
H		7			40	40							
		7	•	0	10	100	1 18 4	3 1 18 4	4 8 1 18 4	13 4 3 1 18 4	4 13 4 8 1 18 4	1 4 13 4 8 1 18 4	(Circulation, 1 4 13 4 3 1 18 4
,			1	7	30 7	30 7	7 30 7	9 7 80 7	8 9 7 90 7	24 8 9 7 30 7	- 24 8 9 7 30 7	8 - 24 8 9 7 30 7	tory Organs. 3 - 24 8 9 7 30 7
+		70	*	90	18	_	18	_	_	_	9 6	9 6	1 15 9 6 1
1				10	10		10		1	1	1 89	1 89	00 00 00
+				н	п	1	1	1	1 1	1 1	1 :	I	1
1					1	-	-		1	- 1 1	1	1	1
,				01	01		61		1	1	1	1	01
		.04		64		6		6	6 9	18 5 9	18 18 5 9	18 18 5 9	1 30 18 18 5 9
1		00	60	60	60	60	1 3 3	1 3	1	1	5 2 1	5 2 1	. 8 5
1		00			60	61		61	61	61	9 1 3	9 1 3	. 15 9 1 3 22
				0	10		10		1	T.	T.	T.	1 01
		60		60		Ç1	64	Ç1	64	39 3	10 12 3 2	10 12 3 2	1 13 10 12 3 2
1					1	1	1	1	1		1		1
						1	1	1					
!						4	3	3					. 1 8
			:	1	1	1	1	:				1	-
1		09		69		63		63	63	69 64	69 64	69 64	61 63
н		1			88 7	88		88	17, 88	24 17 88	48 24 17 88	8 70 48 24 17 88	70 48 24 17 88
H				2	63	7	17 63	7	17	23 17	48 23 17	8 68 48 23 17	68 48 23 17
*					1	-	-	1	1			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
1				7.1	1	1	1		00	00		60	
1				69	69		69		C1	C1	1 89	C1 C1 C1	01 00 01 01
+				00	50		2 30			1	9	9	1 17 6 5
				-	-	-	-	1					
,									- 1		1		

1
0
2
88
2
Classified
0
~
Death,
-
0
0
of
0
20
8
20
3
2
Causes
O
-
- 1
~
M
INUED
17.
-
-
CONT
0
1
-
XVI.
-
×
1
TABLE
-
A
-

	Wexford,	
	Увупе,	0 2 4 7 8 2 7 6 7 7 7 8 8 9 7 7 7 1 1 1 2 1 2 1 2 1 1 1 1 1 1 1 1 1
	Washtenaw.	10 0 0 1 1 1 0 1 0 1 7 0 0 1 1 1
	Van Buren.	0 0 10 14 2 200
	Tuscola.	10 0 00 17 01
	St. Joseph.	1 0 0 1 1 0 2 0 1
	St. Clair.	8 4 1 1 2 8 5 1 8 1
	Shiawassee.	- 0
	Schoolcraft.	
	Sanllac.	4 -   -   -   -   -   -
	Saginaw.	0 1 1 0 0 3 0 0 0
1878.	новсошшоп.	
COUNTIES,-1878.	Presque Isle.	
INT	Ottawa.	4 10     60 61   1 4     1 4 20 61
COL	Otsego,	
	Osceola.	8
	Ontonagon.	
	Ogemaw.	
	Осевца,	
	Oakland.	
	Newaygo.	
	Muskegon.	1 3   3   7         4
	Montealm.	90 1 9 1 1 4 4 4 4 1 4 7 1 1 1 1 1
	Monroe.	0.7             4 4 1   0 0 0 0 1
	Missaukoe.	
	Midland.	
	OAUSES OF DEATH,—1878.	Typholing-cough Typhus Fever  tho-malarial Fever  the malarial Fever  the malarial fever  the malarial fever  the malarial fever  the malarial fever  the malarial fever  the malarial fever  the malarial fever  the malarial fever  the malarial fever  the malarial fever  the malarial fever  the malarial fever  the malarial fever  the malarial fever
	0	W E

1	3. Hydrophobla	1	1		1	1		;	1	1	1	i	i	1	1		1	1	1	:	1	_	1
(obbolism).   1	4. Glanders	1	4		1	1	-		1			1	1	1	1		1	:	1		4	•	1
Cobolism).   1	L-Order & Dietic	1			7	1		1	1			į	1	1	- 1		1		-	_	-	10	1
Cobolism).   1	l. Privation	1	1		1	1		1		1	•	1	i	i	1		11		1	- 1	-1		1
Coholism).	Purpura	1	rk.		1			1	1	1	•	1	i	1			-1-	:	1	:	- 1		i
Coholism)	2. Rachitle	1	1.		1	1	-	1	1	1		1	1	1	i		1	1	1		1		1
Coholism).   1	Scurvy	1	-		1	1		1	0	1	1	ì	1	i	1		+	1	1	_	1	-	1
1	8. Delirium Tremens (Alcoholism)	1	1		-	+		1	- 1	+	•	1	1	1	1		;		-	ı.i.	- 1	en .	1
2 39 44 28 20 53 21 1 7 48 4 99 24 28 50 58 50 58 50 50 50 50 50 50 50 50 50 50 50 50 50	4. Intemperance		1		1	1		1	1	-	1	1	1	1	1	-	1	1		- 1	-	Q4	1
T. 10 2 39 44 28 20 65 21 1 4 7 48 4 99 24 28 50 88 30 58 30	L-Order 4. Parasitio		-		1	1	-	1	1	1	27		- 1	-	- 1	1	1	1	- 1	- 1	1	-	1
2	1. Thrash		1	Ċ	1	1	÷	i		1	-	1	i	-	1	i		1	1	1		_	1
29 44 28 30 58 30	2 Worms		7		1	1	-	1	1	1		1	1	1	1	_	1	1	1		1		1
2 39 44 28 20 53 21 1 4 7 48 4 99 24 28 50 58 30	3. Disease of Scalp		:		1	1	-	1	4	1	1		1	1	1	T	1	1	1	1	:		1
29	CLASS IL—CONSTITUTIONAL	30	39	44	88			1 1	•	-	-	4	1	66	75	-	88	20			61	386	10
20	IIORDER 1. Diathetic		21	10	10	00	0	1 1	-	_	6.5	-	1	16	-	1	7	16	10	19	13	8	
29	1. Gout	i	1		1	+	·	1	1	+		1	i	3	1	1	1	;	i	1	:	- 1	1
20	2 \ Anamis	1	1		1	+		1	+	1	1	1		1	1	i	1	1	1	1	1	1	1
1	Dropsy		9	1	00	10	61	-	-	1		_		*	62	1	64	6	10	~	*	23	64
7	3. Cancer		9		-	00	00	1	1	-	ř	1	-	6	-	1	7	9	00	=	-	98	1
7 2 27 34 23 12 43 20 3 7 29 3 83 20 21 34 28 25 39	4. Noma (Canker)		+		1	1	•	1	+	1	- 1	1		-	.)	1	-	1	OR.	:	1	80	
7 2 27 34 23 12 43 20 3 7 99 3 83 20 21 34 28 25 39	6. Mortification		1		-	1	-	-	+	1		1	7	04	1	1	1		1	-	OI.	1	1
ols	11ORDER 2. Tubercular	7		34	53	12	64	0	60	1	61	89		83	20	- 1	53	35			~	297	•
	1, Scrofula		- 1		-		60	-	1	1	-	i		1	1	1	1	-	1		-	•	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2. Consumption of Bowols		4		1	1	+	1	1	+	4	i		01	-	1	-	:	1		1	1	1
7 22 27 33 22 11 35 19 8 7 28 3 81 18 20 33 25 25 35	3. Phthisis (Consumption of Lungs)	7	27	65	55	=	88	6	00	7		20		81	18	1	20	83	26 21	5 39	46	290	80

TABLE XVI.—Continued.—Causes of Death, Classified.

											ا د	COUNTIES18/8.	TIES	1	é			j							
CAUSES OF DEATH,—1878.	Midland.	Missaukee.	Monroe.	Montcalm.	Muskegon.	Nembleo.	Oakland	Осевпа.	Ogemaw.	Ontonagon,	Osceola.	Otsego.	Ottawa.	Presque Isle.	Roscommon, Saginaw,	Sanilac,	Schoolcraft.	Shlawassee.	St. Clair.	St. Joseph.	Tuecola.	Van Buren.	Washtenaw.	Wayne.	Werford.
4. Hydrocephalus	1	1	I		1	,		1	1	1	1	- 1	1	1	1	:	-	1		1		1		1	. :
5. Marasmus	1	1	1	1	1	Ť	i	i	1	1		i	11		1	+	1	1	+	4	- 1	1	_	00	
CLASS III.—LOCAL DISEASES	10	7	20	41	25	12	121	2	-	11	18	_	20	90	01	136	80	60	12	88	70 40	87	2	408	28
IIIOnden 1. Nervous System	05	O1	30	16	2	-	47	00	1	-	0	_	30	- 1	1	19	13	04	19 2	88	12	17 27	2	64	<b></b>
1. Cophalitis	1	1	60	10	10	7	Q1	Q1	1	1	CR	1	00	+	-		-1	-	94	01	-	.01	0	9	
2 Apoplexy	1	1	-	1	1	1		1	1	1		- 1	:	1	-		1	1	-	00	-	-	2	52	
3. Paralysis	1	1	4	1	-	1	8	i	1	1	- 1	-1	1	1	1	10	9	2	-	01	10	C4	6 19	56	
4. Insanity	Ì	i	1	1	1	•	-	1	i	1	-1	-	1	;	+	1	1	1	1		-	_		7	_:
6. Chorea	1	1		1	İ	1		1	1	1	1	,	1	4	1	1	1	1	1	1	- 1		i	1	_!
6. Epilopsy	!	1	1	64	1	-	10	1	1	1			-	1	1	1	1	-	1		60		1	01	
7. Tetanus	1	i	1	1	-	1	100	;	1	1		-	;	- 1	1	1	1	1		-	-		1	_	
8. Convulsions	1	-	9	9	7	1	9	-	1	1	-	_	9	1	1	11	Oł.	-	10		_	*	9	96	_
Brain Disease	0	1	10	99	91		20	04	i	:	- 1	_	00	1	-	100	03	1	0 10	0	-	9	9	13	_
Dropsy of Brain	1	1	-	i	i	1		01	;	1	A	- 1	1		:	4	-		1	_	_	-	61	36	
10. Spinal Fever	1	н	-	-	1	1	-	i	i	1	-1	_	80		1	-	1		100		21	_	1	1	
11. Spotted Fever	1	1	1	1	1	1		i	1	1	-1		1		1	1	1	1	1	1			1	i	
12. Moningitis	1	1	1	1	1	1		1	1	i	- 1	-	1	1.0	1	1	1	1	1	1		_	1	7	
13. Meningitis, Cerebro-spinal	1	1	-	1	-	i	-4	i	Ì	i	1	_		1	1	-	1		_	1			1	-	
14. Meningitis, Spinal	1	T	60	1	1	1		-	i	i	:		;	2.	1	1	1	1	1	1			-	-	_
15. Neuralgia				-					1		-		1					_				_			

16. Spine Diseaso	1	1	1	1	1	•			i	1	1		4	i	1	Í	1	;	;
17. Spine, Inflam. of	1	1	1	I	1	1			1	-			i	1	1	1	- 1	1	i
18. Frightoned	1	1	į	1	1	11	·		1	1	1	- 1	1	1	1	1	1	-	į
IIIORDER 2. Organs of Circulation	-	133	60	18	4		01		1	100	,	-	=	13		16	64	09	61
1. Pericarditis	1		. 1	4	-	- 1	- ;		1	:	-	-	1	80		100	00	10	1
2. Ansurism	1	1	-	1				•	1	-1			1		1	1	- 1	1	1
3. Heart Disease	-	3 10	4	14	00	_	01	•	1	12	1	_	7	6	-	13	18	55	-
4. Emboli	1		!	1	+	- 1		1	1	1	1		1	1	1	1	1	1	i
IIIORDER 3. Respiratory Organs	00	6	8	8	-	- E	60	16	01	30	10	-	15 19	11	9	24	08	108	64
1. Epistaxis	1	1	1		1		,	. 1	!	1			1	_		1	1	1	;
2 Laryngitis	1	1	1	1	1	1		;	-				-	1	•	1.	O.E.	01	į
3. Bronchitis	1	9	1	1		10		1	1	co	-			_		1	1	-	į
4. Pleurisy	1	-		1	i	- 1	1	H	1	1	- 1	•	1	_		1	-	00	i
5. Pneumonia	64	120	60	30	C+	00	- 1	00	-	8	60	-	62	12	9	18	2	89	61
6. Asthma	1		1	1	-	- 1	,	1	1	64	<u>. i</u>	- 1	1	1		-	1	М	į
7. Lung Disease	1	4	5	7	10	1	60	9	61	2	-		61			4	IC)	01	:
8, Catarrh	1	4		1	1		74		ļ	1.		7	V I	-		1	1	61	:
IIIORDER 4. Digestive Organs	93	1 15	9 6	18	7	1	7	18	-	53	9		88	14	0.	-	11	69	•
1. Gastritis	-	61		1	i	11			ļ	-	Q1	-	-	01				13	-
2. Enteritis	01	C)	6 1	П		- 1	*	7	1	90	61	- (	80	•	-	10	co	18	-
3. Peritonitis	1	1	1	61	-				1	-	1	-1	1	1	•		ij.	1	i
4. Ascites	1	1		1		-11	, r		1	-	:	- Y	1	1			1	1	;
5. Ulcoration of Intestines	1	1	!	-	1	-061	÷		1	-	1		1	1			1	1	;
6. Hernia	1	ar ar	1	i	1	- 1			1	1	•	- 1	1	_			1	91	i
7. Obstruction of Bowels	1	1	1	1	1					1	1	1	1	1	*	-	1	-	;
& Intustisception	1	1	-	j		14	÷		1	•	i	10	1	1	_		1	1	;
		ŀ					İ										ì		i

TABLE XVI. -Continued .- Causes of Death, Classified.

	Washtenaw. Wayne.	8 1 1 6 6 1 1 1 7 1
	Van Buren.	
	Tuscola.	11" 1" 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	St. Joseph.	
	St. Clair.	1
	Shilawassee.	
	Schoolcraft.	
	Santlac.	
	Saginaw.	
COUNTIES,-1878.	Roscommon.	
E8.	Presque Isle.	
UNT	Ottawa.	
COO	Otsego.	
	Osceola.	
	Ontonagon,	
	Ogemaw.	
	Оссапа.	
	Oakland.	
	NewayBo.	
	Muskegon.	
	Montealm.	"     "
	Monroc.	
	Missaukee.	
	Midland.	
	CAUSES OF DEATH,-1978.	W. Fricture of Intestines.  W. Fricture of Intestines.  W. Fantyers Diseases.  Water.

					20 100
	1111	16 16	111	1171	01   01   1
9 1 9	40 00   01	303	- 01	1 8	3 1 3
	90 00	19 19 18	-	IIII	04   04
17 17 17	4 01 01	8 1 6	171	1111	
	1111	18 18	01		0     4 1
		8 2 2	111	11-1	60 1 -1 01
17111	4 0	2 2 2 2	1-1	n eo	0 1 1 0
111111	01	16	111	1111	04   04
	1111	7 1 1	111	1 1 1 1	11111
	1 1 1 1	4 0 10	1 1 1	1 1 1 1	60   60
	+ 00   11	7.4 3.6 3.6	1 00 1		00   100   1
	1 1 1 1	- 1 1	1 1	1 1 1 1	
		01 01 01	111	1 1 1 1	
		25 ES ES	1 1 1	1 1 1	00 1 1 00 1
	1111	10 00 00			
			111		01   01
		7 21 21			
	-     -	8 10 10	111		
		7	111	1111	-     -
		0 01 01	111	1111	80     80
	07 17 17	9 6			60   61   7
		0 10 10	111	1111	-     -
	10 04 1 00	19 18 19		1 9	01   01
	04   04	18 18	4 04	1111	9 -   +
1111111	1111	30 30		IIII	0 1010
			III	1111	111111
	1111	0 0 0	111	1711	01   03
	1111	S. ue :	111	1111	# 1 1 1 1
Terns (gans of Locomotion.	1. Phiegmon 2. Ulcer 2. Ulcer 3. Skin Diseases.	CLASS IV.—DEVELOPMENTAL DISEASES. IV.—ORDER 1, Dev. Diseases of Children I. Still.born	Premature Birth.	6. Teething	1. Dysmenorrhea.  1. Turn of Life.  Childbirth.  2. Abortion.
	1, Phiegr 2, Ulcer	CLASS IV.—DEVELOR IV.—ORDER 1, Dev. 1 I. Still.born	2. Fremis 3. Cyanos	6. Teethir 7. Injury	1. Dysmenorrhe 1. Turn of Life. (Childbirth 2. Abortion

73
0
50
sified.
00
00
Class
2
5
-
-
2
40
8
0
Death
7
200
of
0
-
co
90
Jause
3
2
8
75
0
- 80
ED.
-
D
UNI
1
H
1
-
Z
0
3
CONT
- 1
-
_
2
XVI.
24
TABLE
1
. 7
00
-
4
-1
100

	,					110	00	0.	-	110			-19.4	010					
1	Wexford.	1	-	+	1	00	9	00	-	61	-	-	1	-	1	1	1	1	1
8	Wayne.	101	101	15	12	74	41	12	G.S.	10	1	12	-	20	1	Oil	-	00 0	1
	Washtenaw.	37	60	-	-	17	11	1	-	*	01	1	1	2	1	1	-	-	-
ш	Van Buren.	10	10	1	H	10	9	1	00	1	1	63	1	1	1	- 1	1	1	
	Tuecola,	20	14	-	1	10	10	-	-	1	-	1	-	-	1	-	1	1	
	St. Joseph.	9	6	10	10	7	2	-	1	1	04	1	1	1	1	1	-	-	
	St. Clair.	16	16	6	9	60	15	1	1	OI	1	60	CH (	0	1	-	H		
	Shlawassee.	4	4	co	00	01	-	-	1	1	1	1	1	!	1	-	1		1
	Schoolcraft.	1	1	- 1	1	-	-	1	1	1	1	1	1	1		-	-	1	
	Santines.	9	9	i	-	42	60	-	1	1	1	-	1	-	1	1	1	-	
	Saginaw.	23	23	12	12	40	26	01	1	-	-	16	- "	0	1	1	1	21	1
1878.	Roscommon,	1	-	-	1	1	1	4	1	1	1	1	1	1	1	1	1	1	
COUNTIES1878.	Presque Isle.	1	1	1	-	04	01	1	1	1	-	1	1		1	1	1	1	1
INT	Ottawa.	16	16	-	1	21	13	1	C4	-	1	20	1	•	-	1	1	04	
100	Otsego.	1	1		1	-	1	1	-	1	-	1	1		1	1	1	1	
	Osceola.	01	01	1	1	10	9	01	1	-	1	63	1	1	1	1	1	01	
	Ontonagon.	1	1	1	1	1	1	1	1	-	1	1	1	1	1	1	-	1	
	Ogemaw.	1	1	1	1	-	1	1	-	1	-	1	1	1	1	1	1	1	
	Осевпа	60	00	7	1	10	00	1	1	1	1	01	1	1	1	1	-	-	
	Oakland.	01	99	10	10	9	61	1	-	1	1	-	1	-	1	1	1	-	
	Newaygo.	60	00	-	-	10	00	1	1	-	1	1	1	-	1	1	1		
	Muskegon.	1	-	-	1	17	12	1	-	-	-	7	! "	14	- 1	1	1	00	
	Montealm.	9	6.	01	CI	13	10	-	1	00	1	-		9	1	1	1		
	Monroe.	15	15	*	75	13	13	1	i	04	-	-	- 1	-	1	-	1		
	Mlssaukee.	1	1	-	1	-	-	1	-	1	1	1	-	1	1	1	1		
	Midland.	-	-		1	6.0	-	1	1	1	3	1	1		1	1	-	1	
	OAUSES OF DEATH,—1878.	IVORDER 3. Dev. Dis. of Old People	J. Old Age	-Onder 4. Diseases of Nutrition	"opby and Debility	ENT DEATHS	ident or Negligence	Contusions		jenids					Battle	- Holyan	and the same of th	***************************************	

ths not In. 29 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5				1										-										_	_
ths not In. 29 4 4 5 1 1 2 2 1 1 1 2 2 1 1 1 1 2 2 2 2 2 4 4 5 1 1 1 1 1 1 2 2 2 2 2 4 4 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1		1	:	:	1	I	į															1
ths not Th. 2 4 8 2 2 8 4 4 5 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			- 1		1		:	1	i	;	1								_	_		,			00
the not In. 29	not Specified.		-			1	-		1				10			9	+			_		- 1		_	I+
the not In. 29 4 8 3 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3			j		1	- 1			1										_						
ths not In. 22 4 8 3 4 5 1 1 1 1 2 2 1 1 1 1 2 2 1 1 1 1 2 2 1 1 1 1 2 2 1 1 1 1 2 2 1 1 1 1 2 2 1 1 1 1 2 2 1 1 1 1 2 2 1 1 1 1 2 2 1 1 1 1 2 2 1 1 1 1 2 2 1 1 1 1 2 2 1 1 1 1 2 2 1 1 1 1 2 2 1 1 1 1 1 2 2 1			i		:	1	(1.)		1	1											_	4.5			
8 2 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	at Deaths not In-	Q1	-				00	CI								-									500
3 2 41 18 41 11 32 10 3 23 93 1 1 50 95 11 31 9 13 18 29			i			-	-	-	1												34				6
3 9 41 18 41 11 32 10 8 28 93 1 1 50 95 11 31 9 13 18 20			-			:			1	1							1	-	1						
3 2 41 18 41 11 22 10 3 23 23 1 1 50 26 11 31 9 13 18 20			1			- (	1.		1	i													-	1	
3 2 41 18 41 11 22 10 3 23 23 1 1 50 26 11 31 9 13 18 16 20	. mond, Rupture in		1			. 1	1		1	1	_										-			_	_
3 2 41 18 41 11 22 10 3 23 23 1 1 50 26 11 31 9 13 18 16 20	1		- 1		1	- 1			1	-									_	_	-7	-			
8 9 41 18 41 11 22 10 8 23 1 1 50 26 11 31 9 13 18 16 26	Hemorrhage							1	-			1	_		-	_					-	_	1		Oil .
3 2 41 18 41 11 23 10 3 23 23 1 1 50 26 11 31 9 13 18 16	Inflammation		1			1	-		1											64	-				1
		90					23		-		_														7

TABLE XVII.—Exhibiting, by Sex, by Months, by Specified Causes, and by Ages in Periods of Years, the Number of Persons Returned as having Died in Michigan during the Year ending December 31, 1878; also, by Sex, and by Specified Causes, the Number of Persons Returned as having Died during each of the Years 1874 to 1878, inclusive, (Still-births included).

	Unknown.	201	114	8	03
	.тэчо bия 08	492	250	242	1
	75 to 80.	427	227	200	1
	70 to 75.	454	273	181	1
90	.07 01 55	809	300	208	1
YEARS.—1878.	.60 to 65.	439	264	175	1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	.00 ot 66	144	253	191	1
EA	.66 ot 06	383	214	169	1
1 4	45 to 50.	391	200	182	1
0 80	40 to 45.	301	185	206	1
TOD	85 to 40.	416 3	191	252	1
PER	80 to 85.	438		878	T
N N	25 to 80.	512	224 190	88	1
AGES IN PERIODS OF	20 to 25.	564 5	253	311 288	i
AG	15 to 20.	490 5	204 2	286 3	i
0.1	10 to 15.	418 4	198	220 2	i
	5 to 10.	791 4	385 1	406	1
	Under 5.	2 2009	2698 3	2260 4	64
Ba —	1 Archair	0 50	5 26		31
Sp	1874.	12500	6665	5804	00
0	1875.	1990	6448	5484	89
IS.	-	-			69
OM AI	1876.	12576	6756	5761	10
DEATHS FROM ALL CAUSES.	7781	9165	6827	6040	52
181				- 72	25
N.T.	'8ZST	12766	6632	6082	-
OE	Опкломп.	34	27	120	1
	December.	1369	727	632	10
	November.	181	617	562	01
	October.	190	607	577	9
		-			-
1 0	September.	1343	169	645	00
MONTHS, 1878.	August.	1871	726	642	00
HS,	July.	1017	528	488	-
TAL	Jane.	870 1	441	427	G#
Me		923 8	484 4	437 4	01
	May.	1000			00
	April.	1029	562	459	20
	March.	930	191	466	63
	February.	88	101	823	10
-	Jonnary.	- 02	-	Š	NO:
1	1 Transfer	1	3		
	X				
	56	=			

TABLE XVII. -Continued .- Specified Causes of Death.

1	I Unknown.	1	4	:	1	:	4	:	3	1	1		1	1	:	1	:		1	1	1
1	80 and over.		*	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	- 1	1	1
	1 75 to 80.	- 1	- 1	1	1	1	1	-		1	1	-	1	1	- 1	1	1	:	1	1	1
878	. dr os or 1	-	1	-	1	:	1	1	-	1	-	:	1	1	1		1	1	1	1	1
7	.07 of 68 l	1	1	1	1	1	-	1	1	1	+	1	1	-	1	-	-		-1	1	
83	60 to 65.		12.	:	1	-	1		-	- 1	1	1	1	-	1	3	-	-	1	1	
3	1 55 to 60.	-	1	1	1	1	-	Ť	1.	÷	÷	-	-	1-	:	-	-	-	-		
X	1 50 to 55.	-	-	-	1	-	-	-	-	-	÷	-	-	1	-	:	-	-	-	:	1
-		-	-	1	1	1	+	1	+	+	-	,	+	+	-	:	:	1	7	1	-
8	1 45 to 50.	-	-	-	1	-	-	:	-	-	-	-	-	+	_			-			-
90	. Gb ot 0b	-	4	1	+	1	-	1	-	-	1	1	-	-	:		-	-	•	1	-
AGES IN PERIODS OF YEARS,—1878.	.01 of 68	-	_	_	_	_	-	-	:	_		-	1		1	:	1	1	-	1	-
PE	.68 of 08 ]	-	-	-	-	-	-	1	_	1	-	-	-	-	1	- 1	1	1	-	1	1
8	25 to 30.	-		1	1	1	1	:	:	1	1	1	1	-	1		-	1	-	1	-
80	_ 20 to 25.	-	-	1	1	-	-	-	-	1	1	-	-	1	-	1	1	-	-	1	-
GE	15 to 20.	1	1	1	1	3	-1-	1		1	-	1	1	1	1	1	-	1	1	-1	1
A	1 10 to 15.	-	-	-	1	- 1	1	1	1	1	1	-	-	1	1	-		-	1	1	1
	.01 of 6	;		,	-	1	-	1	- 1	1	1	1	1	1	1	1	1	1	1	1	1
	Under 5.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	1	1	1	1	1
	CAUSES OF DEATH.	Abortion, Attempted	Abortion	Abscess of Abdomen		Abscess of Ankle	Abscess of Arm	Abscess under Arm	Abscess of Back	n n n		Abscess of Bladder	Abscess of Bowels		Abscess of Brain	Abscess of Ear	Abscess of Groin	11 11 11	Abscess of Head	" " " " " " " " " " " " " " " " " " "	Abscess of Hip
	1878.	1	6	1	-	1	1	1	1	1	1	1	1	1	1	1	1		01	į	-
	*F181	1	9	1	1	-	1	1	01	03	1	1	1	1	1	1	1	1	00	1	-
RS.	1875.		10	1	-	1	1	1	1	-	1	1	1	-	1	1	1	-	1	1	1
YEARS.	.978I	1	. 7	1	1	1	1	-	1	1	1	1	01	1	63	1	1	-	-	-	-
	.7781	1	9	1	1	1	1	1	1	1	1	-	1	*	1	1	1	1	-	1	T
	1878.	1	7	1	-	1	-	1	04	-	-	1	1	-	-	-	-	1	1	1	T
	Unknown, I	1		1	-	-	-:	1	:	;	-	1	:	:	1	-	1	1	1	1	1
	December,	- 1	-	1	-	1	-		-	-	:	-	-	,	1	1	1	1	-	-	1
			1	- 1	_	-	+	- :		-	-	_	-	-	1	1	1	-	-	:	-
	November.	- 1	1		1	•	_	1	-	1		- 1	-	1	-		1	-	1	•	1
96	October.	:	-		-	-	-	1	-	-	-	+	1	-	-	1	_	1	-	1	_
1878.	September.	- 1		-	1	-	1	1	-	_	-	-	-		-	-	1	1	-		- 1
HS,	August.	1	-	-		1	-	i	1	-	-	1	-	- 1	1	-	-	-	-	-	1
TH	July.	- 4	- 1	i	-	-	-	- 1	-	-	-	-	-	- 1	-	-	1	-	-	1	-
MONT	June.	1	-	1		1	1	1	-	1	-	- :	1	- 1	- 1	;	1	- 1	1	;	1
M	May.	1	-	- 1	- 3	. 1	1	1	- }	1	:	:	- 1	- 1	1	1	1	1	1	1	1
	April.		-	1	- 1	- 1	- 1	:	- 1	- 1	- 1	1	;	-;	1	-	- 1	- 1	1	1	-
	March.		1	- ;	1	1	-	1	1	-	- 1	- 1	- 1	- 1	-		1	- ;	1	1	-
	February.	1	00	:	:	:	1	1	1		1	:	:	1	- 1	1	1	-	1	1	1
	January.	1 :	- 1	1	- 1	-	- 1	1	- :	1	1	.:	- 1	1	1	;	1	1	- 1	:	1.
	SEX.	Females	Females	Males	Females	Males	Females	Females	Total	Males	Females	Males	Males	Females	Males	Males	Males	Females	fales	Females	Males

-
Death
40
8
0
0
of
0
60
Causes
80
2
8
25
-
-
3
0
500
ified
S
0
2
Spe
-4
-
-
200
62
-
NTINUED.
153
Z
CON
×
0
-
300
-
$\mathbf{H}$
-
XVII
14
M
F-7
200
-
-
4
1
TABLE

		IT.		S											Ν, Ι							
	.nwomauU		1	1	- 1	1	- 1	-	- 1	-	;	- 1	- 1	- 1	1	- 5	- 1	- 1	-	-	-	-
	80 and over,	- 1	- 1	1	4	- 1	-;	- 1	- 1	-	:	- 1	1	1	1	3	1	;	- 13	:	-	-
20	.08 of 67	1	- 1	1	- 1	- 1	:		. ;	1	1	- 1	:	-	1	:	- 2	:		:	-	Ŋ
AGES IN PERIODS OF YEARS, -1878.	70 10 75.	-	;	1	1		+	:	- 1	-	- ;	- 1	:	-	- 1	-	- 1	-	-	- 3	- 1	
	.07 01 50	1	1	- 1	1		- 1	- 1		1	:	7	;	- 1	3	:	-	- 1	-	- 1	-:	=
RS	60 to 65,	;	1	- ;	:	-	i	=	- ;	-	. 1	- :	1	-	- 1	1	1	1		- 7	-	R
EA	.09 of 56 l	1	1	- 1	- ;	-:	:	- ;	- ;	-1	- ;	- :	- 1	- 1	1	-	1		, ;	- 1	- 1	
H	.66 of 06		- 1	;	-	:	- ;	- ;	- ;	- 3	;	- 3	1	-	- 1	1	- 1	00	3	- 3	- 1	H
OF	.08 01 64	:	- 1	1	-	- 1	-;	;	1	-:	:	:	1	1	- 1	2		-		-		64
38	.6b or 0b	- 1	- 1	1	. 1		-	1	1	1	- 1	:	:		- 1	12	- ;		1	1	-	1
IOI	.01 to 40.	-	- 1	- 1	1	- 1	- 1	- 1	- 1	- 1	1	- 1	- 1	4	-2	1	1	-	4	:	:	00
ER	.68 of 08 J	-	7	1	- 1	1	4	- 1	1	1	:	- 1	-	-	1	;	1	1	1	-	-	3
1	25 to 30.	- 1	1	- ;	1	. ;	- ;	;	. :	;	:	:	;	1	1		1	1	- 1	:	- 1	=
IN	20 to 55.	1	- 6	- 1	1	- 1	- 1	-	1	;	- :	. :	- 1	-	:	1	- 1		:	:	1	8
ES	12 to 20.		1	- 1	:	1	-	3	:	-;	:		;	1	3	7.	- 1	- ;	:	- 1	- 2	=
16	1 10 to 15.	- 1	-	- 1	1		1		1	:	- ;		1	1	1	- 1	- 1	1	1	- 2	- 1	1
	1 5 to 10.	1	1	4	- ;	:	- 1	-	-	- 1	- 21		1	-	-11	:	- 1	1		:	2	
		1	1	:	:		;	1		:	:	1	1	-1	1	:	1	1	:	1	1	=
-	Under 5.	- 1	- 1	1	1	;	1	1	:	:	-	1	:		+		1	;	-	+	-1	
	CAUSES OF DEATH.	Abscess of Hip	Abscess, Internal	Abscess of Kidneys	Abscess of Leg.	Abscess of Limb.		Abscess, Lumbar	Abscess of Neck		Abscess, Pelvic	Abscess on Shoulder	Abscess in Side		Abscess of Spine	n n n	Abscess of Spicen	Abscess of Stomach		Abscess in Throat		17 A baceas
	*878T	-	-	1	1	1	-	1	1	-	1	1	-	1	-	1	-	1	1	CH		
1	'#18I	-	1	1	1	1	1	1	1	-	63	1	1	1	1	1	1	1	1	1	1	18
YEARS.	1875.	-	1	1	1	1	1	1	1	1	1	1	4	1	-	-	1	67	-	1	1	-
YE	1876.	-	1	1	1	-	1	-	1	1	-	-	co	7	1	-	1	61	-	-	1	0
	.7781	CI	-	1	-	1	1	C4	1	1	-	-	7	C1	1	-	1	1		1		
	.8781	-	1	1	-	1	1	01	1	1	-	1	1	-	1	1	1	200	1	1	1 8	
1	Unknown.	1	1	i	- ;		- ;	- ;	1	:	1	1	1	1	1	1	:	1	1	1	1 1	
	December,	:	-	1	1	:	;	1	:	:	1	1	1	:	1	3	1	-	1	1	1.	
	November.	-	1	+	1	1	1	-	- 1	- 1	1	1	1	1	1	:	-	- 1	-	1	: 5	
	October.	1	1	1	-	- :	:	1	- :	1	1	1	1	-	:	2	1	1	1	1	1 .	
1878.	September.	- 1	4	;	1	1	1	1	-	4	-	-	1	1	1	1	1	1	1	1	1 20	
	.dauguat.	1	1	1	1	1	1	- 1	:	-	1	1	1	1	:	1	1	-	1	1	1 19	
HES	July.		1	1	-	1	;	1	1	1	- 1	-1	1	1	4	4	1	4	T	1	1 51	
EN	-oune	1	1	:	1	1	1	1	:	1	1	1	1	1	2	7	1	H	1		15	
MONTHS,	May.	-	1	-	1	1	1	1	1	-	1	1	1	1	17	T	1					
9	I April.	1	1	1	1	1	1	-			-	E	-									
1	March.	1	1	:	1	-																
	February.	1	1	1	1																	
	January.	1	18.	30																		
-	1	-	7	E																		
	SEX.	emules	82.10																			

1 1 1 1	-1:1	1	1 5	- ;	1	1	1			:		H	-	-	- 1	1	- 1	-	1
1 1 1 1	1 1		1 1	:	1	1	:	: :	- 1	- 1	-	*	72	-	1	1	-	1	:
1111		_	1 1	-1	1	1	1	1 3		1	- 4	=	10	9	03	-	(D)	1	
1 1 1 1			1 6	;	- 1	-	-	1 1	_	- 1	1	21	9	9	20	04	1	-	:
1 94 ; ;			1 1	-	-	÷	1			1	-	=	9	10	9	00	00	-	
		_	_	_	-	_	_	_	_		-	C1	8	9	4	00	-	-	1
1 1 1 1	_	1	1 1	- 1		-	1	1 :		+	_	7 12	99	+	10		-		-
1 1 1 1		_	1 5	- 1	1	+	1	1 1	_	- ;	1		9	_	_	_		1	
	1 1	1	1 1	1	-	1	1	, 1	_	- 1	-	1		10	GI.			i.	:
C4 ; ; ;	: -	+	1 1	- 1	1	1	- 1	: :	_	- 1	-	95	01	200	01	- 1	01	1	
G1 ;	1. 1	- ;	1 1	+	-	- \$	1	1 1		- ;	1	10	O.	00	01		-	- 1	1
	1 1		1 1	- 1	1	1	+	) :	_	-	- 4	00	35	1	-	;	-	1	0
1 1 1 1		- 1	1 :	- 1	- 3	;	-	1	)	1	-1	10	-	*	1	- 3	- 0		1
17 1	- :	- ;	1 1	- 4	4	- 1	1	1 3			- 1	-	-	- ;	-	;	4	1	1
- ot ; ;	0 0	. :	; ;	- ;	- ;	- 1	-	- ;	~	1	:	03	01	-:	:	1	-	1	1
1 - 1 1	1 :	- ;	: :	1	+	:	4	: :	-	- 1	1	-	- 1	-	1	.:	-	:	-
1 1 1 1	1 1		1 1	1	1	1	1	: :	_	1	1	-	-	1	- 1	1	1	1	1
1 1 1 1	1 1	1	1 1	1	-	1		1 1	:	-	-	:	1	1	1	-	1	1	1
0 00 : :	1 1	1	: 1	1	:	1	1	1 1		:	1	-	:	7	01	H	4	-	CI
	1 1	1	1 1	1	-	1	1	1 1	:	1	1		1		1			1	
1 1 1 1	1 1	- 1	1 1	1	;	1	100	: :	1	- 1	1	:	;	1	1	1	1	1	1
1 1 1 1	1 1	1	1 :	1		1	1	1 1	1	1	1	1	1	- 1	-	. 4	- 1	1	1
	1 1			1	- 1	1		1 1			-	- 1	-	1		1	- 1	-	
1111	1 1	1	: :	1	- 1	3.	1	1 1	1	- 1	-	*	:	1	-	1	-	1.3	
	7 1	1	1 1	. :	- 1	- 3			1		1		- 3	- 1		- 1	- 3		3
1 1 1 1	1 1		1 1	-	- 1		1		10	1	- 1						- 3		331
1 1 1 1	4	0	1 1	- 1			4	1		-		- 8	- 1		- 4	- 8	- 13	1	- 1
1 1 1 1	0 60	8	1 1	1	d	4		1 1	1	1	2	-	- 3	- 1	1		-		
0 4 6 2	EE	3	: :	1	1	31		1 1		1	pr	1	- 1	:			- 1	12	:
1 1 1 1	-	=			9	He	=			T.	16		- 3	- 1	-	- 3	- 1	et .	;
1 1 4 1	0 0	0			2	2		3 9		20	Je		- 3	- 11	1		1	H	300
1 1 1 1	0 0	0 0	3	1	0	0	=	3 3		36	2	30	-				- 4	44	1
: : : :	1 1	3 :	3	-	H	E		8		P	5	5					- 1	0	2
SS III	En En	2 :	3	2	100	400		80		=	6	6			22			by	E .
oh oh	nc	2 3	=	8	=	77	-	PH		-	_		190	-	-			Di.	0
0 . 0						and .	-	= :	-	heed.	-	-	-	_	-27			_	-
5 2 0	8 8	8 8		038	nei	ner	=	nen	-	ngi	dod	dod		٥	sth	-		tro	tro
Abscess	Amputation of Foot.	Amputation of Limb.	Time	Anæmia.	Ancurism of Aorta.	Aneurism of Heart	13	Aneurism,	-	Angina Pectoris.	Apoplexy, Cerebral	Apop			Asthma	•	•	Atrophy of Heart	Atrophy
6 " albumin	- Amj	- Ami	1 ampuanton	- Anæ	- Ane	Anet	-	1 Aneu	-	Angi	A pop	81 Apoplexy	69	60	21 Asth	13	50	- Atro	Atro
2 9	1 2	Amj	1 1	1	Апе	Aner	-	I Aneu	-	- Angi	Apop				21	1 13		Atro	Atro
8 6 6 6 11 Abs	1 5	Ami	1 1	2 Anæ	Апет	Anet	-	1 Aneu	-	Angi	Apop	63	45 49	18 32	20 21	=	8 6	Atro	Atro
1 8 6	1 2	1 Amp		1	1 Апет	Aner	-	1 1 Aneu	-	2 Angi	Apop				21	12 11 13 **		Atro	Atro
10 11 8 6 11 11 11 11 11 11 11 11 11 11 11 11 1	1 5	1 J	T 1	1	1 Апе	1 Aner		I I Aneu		-	Apop	89 63	45	18	20 21	=	6	Atro	Atro
10 11 8 6 11 11 11 11 11 11 11 11 11 11 11 11 1	2 1 5	1 Ami	1 1	01	1 Аве			1 1 Aneu		-	Apop	107 89 63	51 45	88 18	23 20 20 21	=	8	Atro	Atro
8 2 10 11 6 1 8 6	2 1 5	1 Ami	T 1	01	1 1 Апе					01	1 Apop	85 107 89 63	56 61 51 45	29 46 88 18	24 23 20 20 21	16 11 12 11	8 12 8		3 Atro
11 7 2 2 10 11 11 8 4 5 8 9 6 6 11 1	1 1 1 2 1 5			1 67	11	1		1 1 1	" " " " " " " " " " " " " " " " " " " "	1	1 Apop	107 89 63	48 56 61 51 45	46 88 18	30 24 23 20 20 21	16 16 11 12 11	14 8 19 8 9	1	3
111 7 8 8 9 9 10 11 9 10 11 9 10 11 9 10 11 9 10 11 11 11 11 11 11 11 11 11 11 11 11	. 1 1 2 1 6			01	- 11-				_	04	1 Apop	1 91 85 107 89 63	56 61 51 45	29 46 88 18	24 23 20 20 21	16 11 12 11	8 12 8		s s
111177 2 2 3 10 11	1. 1 1 2 1 5			64	1			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- 1	1	1 Apop	85 107 89 63	4 1 48 56 61 51 45	4 43 29 46 88 18	1 30 24 23 20 20 21	16 16 11 12 11	1 - 14 8 19 8 9		3
1 11 7 2 2 10 11	. 1 1 2 1 6			01	- 11-				- 1	04	1 Apop	4 8 1 91 85 107 89 63	2 4 1 48 56 61 51 45	2 4 43 29 46 88 18	4 1 30 24 23 20 20 21	16 16 11 12 11	14 8 19 8 9		s s
111 7 8 9 9 10 11 9 9 10 11 9 9 10 11 9 9 10 11 9 9 10 11 9 9 10 11 9 9 10 11 9 9 10 11 9 9 10 11 9 9 10 11 9 9 10 11 9 9 10 11 9 9 10 11 9 9 10 11 9 9 10 11 9 9 10 11 9 9 10 11 9 9 10 11 9 1	1. 1 1 2 1 5			64	1			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	1 1	1 Apop	1 91 85 107 89 63	4 1 48 56 61 51 45	4 43 29 46 88 18	1 30 24 23 20 20 21	16 16 11 12 11	1 - 14 8 19 8 9		3
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	. 1. 1 1 2 1 6			1 2 1 2	1	1			1	01		4 8 1 91 85 107 89 63	2 4 1 48 56 61 51 45	2 4 43 29 46 88 18	4 1 30 24 23 20 20 21	16 16 11 12 11	1 - 14 8 19 8 9		1    8
2 1 1 1 1 7 2 2 10 11 1 2 2 10 11 1 2 2 10 11 1 1 1	1 1 1 2 1 6			64	1 1 1	1 1	1	1 1 1	1	01	1	5 4 8 1 91 85 107 89 63	3 2 4 1 48 56 61 51 45	2 2 4 43 29 46 88 18	1 4 1 - 30 24 23 20 20 21	16 16 11 12 11	1 2 1 - 14 8 19 8 9	1-1-1	1
2 2 10 11 11 2 2 2 10 11 1 2 2 2 10 11 1 1 1				1 2 1 2		1			1 1	01	1	7 14 5 4 8 1 91 85 107 89 63	3 9 3 2 4 1 43 56 61 51 45	4 5 2 2 4 43 29 46 88 18	. 6 1 4 1 . 30 24 23 20 20 21	16 16 11 12 11	1 2 1 - 14 8 19 8 9		1    8
1 2 2 2 10 11 1 1 2 2 2 10 11 1 1 2 2 2 10 11 1 1 1	1 1 1 2 1 6			1 2 1 2	1 1 1	1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1	01	1	8 7 14 5 4 8 1 91 85 107 89 63	3 8 9 8 2 4 1 48 56 61 51 45	5 4 5 2 2 4 43 29 46 88 18	2 6 1 4 1 30 24 23 20 20 21	16 16 11 12 11	1 2 1 - 14 8 19 8 9		1 3 8
1 2 2 2 10 11 1 1 2 2 2 10 11 1 1 2 2 2 10 11 1 1 1	1 1 2 1 5			1 2 1 2			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1 1 1 1	01	1	9 8 7 14 5 4 8 1 91 85 107 89 63	3 8 8 9 8 2 4 1 48 56 61 51 45	6 5 4 5 2 2 4 43 29 46 88 18	2 2 6 1 4 1 30 24 23 20 20 21	16 16 11 12 11	1 2 1 - 14 8 19 8 9		1 3 8
1 2 2 2 10 11 1 1 2 2 2 10 11 1 1 2 2 2 10 11 1 1 1	1 1 2 1 5			1 2 1 2	1 1 1	1 1			1 1 1	01	1	8 7 14 5 4 8 1 91 85 107 89 63	3 8 9 8 2 4 1 48 56 61 51 45	5 4 5 2 2 4 43 29 46 88 18	2 2 2 6 1 4 1 30 24 23 20 20 21	16 16 11 12 11	1 2 1 - 14 8 19 8 9		1 3
1 2 . 2 . 1 . 1 . 1 . 2 . 2 . 10 . 11	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1 2 1 2					1 1 1 1	01	1	9 8 7 14 5 4 8 1 91 85 107 89 63	3 8 8 9 8 2 4 1 48 56 61 51 45	6 5 4 5 2 2 4 43 29 46 88 18	3 2 2 2 6 1 4 1 30 24 23 20 20 21	16 16 11 12 11	1 2 1 - 14 8 19 8 9		1 3 8
1 2 2 2 10 11 1 1 2 2 2 10 11 1 1 2 2 2 10 11 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			01 01 01 01 01 01 01 01 01 01 01 01 01 0					1	04		13 9 8 7 14 5 4 8 1 91 85 107 89 63	3 8 8 9 8 2 4 1 48 56 61 51 45	5 6 5 4 5 2 2 4 43 29 46 88 18	2 2 2 6 1 4 1 30 24 23 20 20 21	1 1 1 1 2 16 16 11 12 11	1 1 1 5 1 2 1 14 8 19 8 9	1 1 1	1 3
1 2 2 2 10 11 1 1 2 2 2 10 11 1 1 2 2 2 10 11 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1 2 1 2		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- 1	5 6 13 9 8 7 14 5 4 8 1 91 85 107 89 63	3 4 8 3 3 3 9 3 2 4 1 43 56 61 51 45	2 5 6 5 4 5 2 2 4 43 29 46 88 18	2 3 2 2 2 6 1 4 1 30 24 23 20 20 21	1 2 1 1 1 1 2 16 16 11 12 11	1 1 1 1 1 1 5 1 2 1 14 8 19 8 9	1 1 1	1 3
1 2 2 2 10 11 1 1 2 2 2 10 11 1 1 2 2 2 10 11 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1 2 1 2	1111	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	6 5 6 13 9 8 7 14 5 4 8 1 91 85 107 89 63	3 3 4 8 3 3 9 9 9 9 4 1 43 56 61 51 45	8 2 2 5 6 5 4 5 2 2 4 43 29 46 88 18	2 2 3 2 2 2 6 1 4 1 30 24 23 20 20 21	2 1 2 1 1 1 1 2 16 16 11 12 11	1 1 1 1 1 5 1 2 1 14 8 12 8 9	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 3
1 2 2 2 10 11 1 1 2 2 2 10 11 1 1 2 2 2 10 11 1 1 1	1 1 1 2 1 5			1 2 1 2	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1	5 6 5 6 13 9 8 7 14 5 4 8 1 91 85 107 89 63	2 3 3 4 8 3 3 9 9 3 2 4 1 43 56 61 51 45	8 2 2 2 5 6 5 4 5 2 2 4 43 29 46 88 18	5 2 2 3 2 2 2 6 1 4 1 30 24 23 20 20 21	5 2 1 2 1 1 1 1 2 16 16 11 12 11	1 1 1 1 1 5 1 2 1 14 8 19 8 9	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 3
1 2 2 2 10 11 1 1 2 2 2 10 11 1 1 2 2 2 10 11 1 1 1	1 1 1 2 1 5			1 2 1 2	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1	5 6 5 6 13 9 8 7 14 5 4 8 1 91 85 107 89 63	2 3 3 4 8 3 3 9 9 3 2 4 1 43 56 61 51 45	8 2 2 2 5 6 5 4 5 2 2 4 43 29 46 88 18	5 2 2 3 2 2 2 6 1 4 1 30 24 23 20 20 21	5 2 1 2 1 1 1 1 2 16 16 11 12 11	1 1 1 1 1 5 1 2 1 14 8 19 8 9	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 3
1 2 2 2 10 11 1 1 2 2 2 10 11 1 1 2 2 2 10 11 1 1 1	1 1 1 2 1 5			1 2 1 2	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			5 6 5 6 13 9 8 7 14 5 4 8 1 91 85 107 89 63	2 3 3 4 8 3 3 9 9 3 2 4 1 43 56 61 51 45	8 2 2 2 5 6 5 4 5 2 2 4 43 29 46 88 18	5 2 2 3 2 2 2 6 1 4 1 30 24 23 20 20 21	5 2 1 2 1 1 1 1 2 16 16 11 12 11	1 1 1 1 1 5 1 2 1 14 8 19 8 9	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 3 8
1 2 2 2 10 11 1 1 2 2 2 10 11 1 1 2 2 2 10 11 1 1 1	1 1 1 2 1 5			1 2 1 2	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			5 6 5 6 13 9 8 7 14 5 4 8 1 91 85 107 89 63	2 3 3 4 8 3 3 9 9 3 2 4 1 43 56 61 51 45	8 2 2 2 5 6 5 4 5 2 2 4 43 29 46 88 18	5 2 2 3 2 2 2 6 1 4 1 30 24 23 20 20 21	5 2 1 2 1 1 1 1 2 16 16 11 12 11	1 1 1 1 1 5 1 2 1 14 8 19 8 9	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 3
1 2 . 2 . 1	1 1 1 2 1 5			1 2 1 2	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			5 6 5 6 13 9 8 7 14 5 4 8 1 91 85 107 89 63	2 3 3 4 8 3 3 9 9 3 2 4 1 43 56 61 51 45	8 2 2 2 5 6 5 4 5 2 2 4 43 29 46 88 18	5 2 2 3 2 2 2 6 1 4 1 30 24 23 20 20 21	5 2 1 2 1 1 1 1 2 16 16 11 12 11	1 1 1 1 1 5 1 2 1 14 8 19 8 9	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 3
11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 2 1 5			1 2 1 2	1111					01	1	6 5 6 13 9 8 7 14 5 4 8 1 91 85 107 89 63	3 3 4 8 3 3 9 9 9 9 4 1 43 56 61 51 45	8 2 2 5 6 5 4 5 2 2 4 43 29 46 88 18	2 2 3 2 2 2 6 1 4 1 30 24 23 20 20 21	2 1 2 1 1 1 1 2 16 16 11 12 11	1 1 1 1 1 5 1 2 1 14 8 12 8 9	1 1 1	1    8
1 2 . 2 . 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1 2 1 2	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			5 6 5 6 13 9 8 7 14 5 4 8 1 91 85 107 89 63	2 3 3 4 8 3 3 9 9 3 2 4 1 43 56 61 51 45	8 2 2 2 5 6 5 4 5 2 2 4 43 29 46 88 18	5 2 2 3 2 2 2 6 1 4 1 30 24 23 20 20 21	5 2 1 2 1 1 1 1 2 16 16 11 12 11	1 1 1 1 1 5 1 2 1 14 8 19 8 9	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 3

a Includes 1 Psons Abscess. b Chronic.

TABLE XVII. -CONTINUED. -Specified Causes of Death.

1	Unknown.	-	1	4		:	1	:	1	:	01	-	-	1	1		1	- 2	1		1	1
	80 and over.	:	1	;	-	-	1	-1	+	•	1		1		1	1		1	-	1	1	-
	1 75 to 80.	- 1	1	-1	2	1	1	- 1	. 1	1	1	1	1	1	1	1	- 1	1	100	-		H
YEARS 1878	1 20 10 20.	:	1	-	:	1	1		-:	1	1	1	:	1	1		-		-			-
7	1 eg to 30°	:	1	1	- 1	1	1	1	1	3	1	1	1	1		1	-		1		1	5
18	1 60 to 65.	-	1	-	1	1	1	-	1	-	1	1	1	1	1		-		61			
IA.	.00 01 60	-	1	1	-	1	1	-	1	1	-	1	:	1	-	-		-				2
X	1 50 to 55.	:	1	- 1	-	1	-	-	1	-	1	1	-	1	1		-	-	-	-	-	
10	09 01 94	-	1	-	-	1	i	i	1	1	-	-	-	1	1	-	:	÷	-	-	7	٠
8	1 40 to 45.	-	1	-	1	-	1	1	1	1	1	1	1		1	-	:	-		1		
00	The second secon		-	1	1	-	:	:	1	1	-	-	1	1	1	1	:	-	-	-	-	3
PERIODS OF	1 35 to 40.	-	1	:	:	-	÷	1	-	1	1	1	-	-	-	1	-	-	-	1	-	-
P	.00 to 35.		- 1	:	- 1	:	-	-	:	1	-	-	-		1	1	:	-	-	-	-	-
Z	1 25 to 30.	-	1	1	1	_	:	- 1	-	-	-	1	-	1	1	1	1	-	-	:	-	-
AGES IN	1 20 10 25.		_		_	-	_		_	_	_	_	-		-	*	_	-	_	_	_	-
GE	1 15 to 20.	- 1	:	:	- 1	-	- 1	-	-	:	:	1	- 1	_	-	-	-	-	-	-	1	-
4	1 10 to 15,		-	:	:	:	-	1	-	:	:	:	:	;	-	-			:	-	1	-:
	01 01 0	-	-	-3	04	-	-	-	-:	-	-	*		C4	-	-		-	-	-	- 12	-
	Vnder 5.			-	-	1					35	18	10	-	1	1	1	1		1	1	-
	CAUSES OF DEATH.	Atrophy		Biliary Calculus	. Birth, Injury at				Birth,-Instrumental Delivery		6 Birth, Premature	***************************************			Bite of Insect	Bladder, Catarrh in	Bladder, Disease of		8 Bladder, Inflam, of	" " "	Bladder, Paral. of	Bladder, Ulcor, of
	1878.	-	1	-	-1	1		1	-	-	16	10	9	-	-	1			00		1	1
	.b781	-	1	1	63	1	CI	-	1	-	21	10	11	1	1	-	6	-	9	-	-	-
YEARS.	1875.		1	-	10	10	1	1	1	1	28	13	15	-	-	1	60	1	=	80	-	-
YE	1876.	1	1	1	1	1	-	-	-	1	34	17	16	-	1	1	0+	1	10	1	1	-
	.7781	1	1	1	*	-	1	1	1	1	41	20	18	00	1	-	1	-	9	69	1	
	1878.	C4	-	1	CH	1	1	-	1	1	34	19	13	CI	1	1	64	1	10	-	1	H
1	Unknown.	:	:	1	1	1	-1	:	-	1	1	- 0	-;	1	1	1	1	:	-	1	1	
	December.		. :	1	1	1	i	1	-	1	H	-	-	-	1	1	-	-	-	1	-	
	November.	-	:	1	:	-	-	:	1	-	4	03	64	1	-	1	1	1	-	-	-	-
	October	-	-	1	-	1	-:	-		-	00	-	61	1	1	1	1	1	1	3	-	-
78.	September.		-	-	-	1	-	-		,	50	01	-	-	- 1	-	1	-	-	-	-	-
1878.	August.		-	-	1	-	-	:		-	4	co	-	-			1	-	-		-	-
18	July.		-	-	-		-		-	-	-	1	-	1	-	-		4	-	-	1	
TI	June.		1	1	1			-	:	1	100	-	64	1	;	+	1	1	:	1	-	-
MONTI	May.	1	-	- 1	-	4	1	1	-	-	Ot.	-	-	4	-	1	1	2	- 00	-	-	-
-	April.	-	-	_	-			1	1	-	-	101	01	1	1	_	1	-	-	-	- 1	H
		-	-	-	-	4	1			_		59			1	-		3	20		1	-
	March.	-	-	- 1	4	1	-	1	- 1			1			-	-	1	- 1	-	-	-	
	February.	1	-	1	-	-														1	-	
-	January.		-	1		- '																
	SEX.	Males	males	-																		

1 1 1 1 1 1		1	4	+	20	-		. 1	1	2	- ;	. 0	:	1	;	1	:	1	+	1	1
1 1 1 1 1 1	-:	-	1	01	-	-	- 1	- 1		.1	-	- 1	- 1		- 1	1	:	1	- ;	1	1
1 1 1 1 7 7	- 1	1	1	-	1	-	- 1	1	1	:	1	1	- 4	;	1	-	3	- 1	1	1	1
1 1 1 1 01 -	-	- 1	+	5	6	60	:	:	:	:	:	:	1	:	- 1	:	1	-	1	;	-
1 1 1 1 1 1	-	1	+	9	-	0.9	- 1	1	1	:	-:	:	:	1	-	:	-	-	:	1	1
111177	-		-	0	10	10	;	-	-	:	-	1	-	:	:	-	-	-	:	:	-
	-	1	-	4	CI	01	- 1	-	:	i	:	1	:	1	- ;	-	:	1	-	1	
: : : :	1	1	;	-	9	-	1	;	- 1	:	- ;	1	:	- 1	- 1	. 1	-	1	-1	:	1
	-	-:	1	10	7	200	- 1	- 1	- ;		- 1	- 1	:	- 1	- 1	1	- ;	- 4	1		
:	1	1	1	-	61	04	- ;	;	:	- 1	1	. 1	1	- 1	1	- 1	:	-	-	:	-
1 1 1 1 1	!	1	1	7	4	20	- 1	- !	- 1	:	:	-	1	-	- :	:	-	:	:	- :	-
1 1 1 1 1 1	-	1	-	7 15	01	5 11	:	- 1	1	1	1		-	-1	:	1	1	1	1	:	-
1 1 1 1 01	01	1	-	19	6	10	:	-	-	:	1	-	-	:	-	-	÷	:	-	-	i
1 1 1 1 00 -	Q4	1	1	=	10	9	- 1	:	1	1	- 1	1	1	1	1	1	:	- 1	1	1	1
: : 01 01	-	4	:	2	4	00	. 1	1	- 1	+	:	. :	-:	1	1	- 1	:	:	:	1	1
1 6 6 2 1	10	1	-	82	45	40	-	1	1	:	-	-	1	-	-	-	1	1	1	1	T
on of			, , , , , , , , , , , , , , , , , , ,					-Intussusception			f			"		of.			of	,	of
Ptlo	1		o uo	of	;	-		sce			ia o	lon				ion		e of	on		no
um n	-		etic	ii.				1881	1	-	alg	net	*		1.0	orat	=	tur	rati	=	9881
ons sea	12	:	ndı	fla	6		:	ntu			ant	str		157	ara	rfe		rict	cen		pre
Di Co			Im	H				7			N	0			P	P.		St	5		Jom
10				-				m			-	· m						-	-		
el el	12		els	els		15		619	6		618	918	0		els	els		els	els		0,0
owell		=	owels	owels		:	=	owel	:	=	owels	owele	=	=	owels	owels	:	owels	owels		rain,
Bowels, Consumpti		=	Bowels, Impaction of	Bowels			-	Bowels	:		Bowele	Bowels	:	2	Bowels, Paral. of	Bowels, Perforation of	:	Bowels, Stricture of.	Bowel		Brain,
1 2 4 11 5 12	95	*	1	286 Bowels, Inflam, of	152	134	-	Bowels	:		I Bowels, Neuralgia of	8 Bowels, Obstruction of	. 9	C1	Bowels	Bowels	=	Bowels	3 Bowels, Ulceration of.	-	2 Brain, Compression of
28 15 Bowell 18 4 " 10 11 " 40 67 Bowell 24 31 "	16 26	=	1 Bowels	208 286 Bowels	117 152	181 16		Bowels	-		I Bowels	2 8 Bowels	1 6 "	1 20	Bowels	Bowels	:	Bowels	8 3 Bowels		2 Brain, C
1		1 "	1		152			1 Bowels	-		1 Bowels		2 1 6	1 1 2	2 Bowels	1 Bowels		Bowels		-	Brain, C
1 8 8 5 5 2	91		1	218 208	117 152	91		1 1 Bowels			1 1 Bowels		1 2 1 6 "	1 1 1 2 "	2 2 Bowels	1 Bowels	-	Bowels	60	00	2 Brain, C
1 8 8 9 1 19 19 19 19 19 19 19 19 19 19 19 19	19 16		1	239 218 208	126 118 117 152	10 001		1 1 1 Bowels	1	. 1	1 Bowels		1 2 1 6	1 1 1 2 "	G1	1 1 Bowels		1 Bowels	60	00	1 2 Brain, 0
22 11 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19	14 19 16		1	226 239 218 208	129 126 118 117 152	16 001 111 16		1 1 1 1 Bowels	- 1		1 1 Bowels		1 1 2 1 6	2 1 1 2 "	G1	1 1 Bowels		1 1 Bowels	4 5	00	1 2 Brain, 0
8 8 17 12 28 10 28 8 10 8 8 10 8 8 10 8 10 11 18 8 10 8	10 16 14 19 16	1	1	214 226 239 218 208	109 129 126 118 117 152	10 001 111 10 001		1 1 1 1	" 1 1 m		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	01 00	. 1 1 2 1 6	2 1 1 1	61		1	1 1	2 4 5	09	
6 10 11 18 17 17 18 18 10 11 18 18 10 11 18 18 10 11 18 18 10 18 1	16 14 19 16	" 1 "		214 226 239 218 208	- 109 129 126 118 117 152	16 001 111 16	01	1 1 1 1 Bowels			1 Bowels	69	1 1 2 1 6	1 1 1 1	61	1 Bowels		1 1 Bowels	2 4 5	1 25	
8 6 10 11 18 8 10	- 10 16 14 19 16			214 226 239 218 208	109 129 126 118 117 152	- 105 97 111 100 91		- 1 1 1 1			1	01 00		- 2 - 1 1 1	61	1 1	1		2 4 5	09	
1 6 6 10 11 18 10 11 18 10 10 10 10 10 10 10 10 10 10 10 10 10	- 2 3 - 10 16 14 19 16			25 16 17 214 226 239 218 208	13 2 11 109 129 126 118 117 152	12 14 6 - 105 97 111 100 91		1 1 1 1	_	1 :	1	01 00	1	2 1 1 1	61	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	1 1	2 4 6 3	00 01	
8 8 10 10 11 18 8 8 8 8 9 10 10 11 18 8 8 8 8 8 10 10 11 10 10 10 10 10 10 10 10 10 10	3 10 16 14 19 16	1		16 17 214 226 239 218 208	9 13 2 11 109 129 126 118 117 152	6 12 14 6 105 97 111 100 91		1 1 1 1	_	1 :	1	01 00	1	2 1 1 1	61	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	1 1	2 4 6 3	1	
1 6 6 10 11 18 10 11 18 10 10 10 10 10 10 10 10 10 10 10 10 10	- 2 3 - 10 16 14 19 16	1 "		25 16 17 214 226 239 218 208	18 9 13 2 11 109 129 126 118 117 152	16 6 12 14 6 105 97 111 100 91		1 1 1 1	1	1 :	1	01 00			61	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	1 1	2 4 6	00 01	- - - -  1 - - -
1 6 6 10 11 18 10 11 18 10 10 10 10 10 10 10 10 10 10 10 10 10	2 2 8 10 16 14 19 16	, I I	1	21 34 15 25 16 17 214 226 239 218 208	0 18 9 13 2 11 109 129 126 118 117 152	12 16 6 12 14 6 105 97 111 100 91	: : : : : : : : : : : : : : : : : : : :			1 1 1 1	1	1	1 1 1	1	CH CH	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1		1 2 4 6	1	
1 6 6 10 11 18 10 11 18 10 10 10 10 10 10 10 10 10 10 10 10 10	- 2 3 - 10 16 14 19 16	1	1	20 21 34 15 25 16 17 214 226 239 218 208	0 18 9 13 2 11 109 129 126 118 117 152	16 6 12 14 6 105 97 111 100 91	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1	1	G1 G1				60 4 60	1 1 2 8	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- 1 2 - 2 3 10 16 14 19 16	1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	21 34 15 25 16 17 214 226 239 218 208	8 12 9 18 9 13 2 11 109 129 126 118 117 152	7 6 8 12 16 6 12 14 6 105 97 111 100 91				1 1 1 1	1	1	1 1 1	1	CH CH	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1		60 4 60	1 1 2 8	
2	1 - 1 - 2 - 2 3 - 10 16 14 19 16	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	17 14 20 21 34 15 25 16 17 214 226 239 218 208	8 12 9 18 9 13 2 11 109 129 126 118 117 152	7 6 8 12 16 6 12 14 6 105 97 111 100 91					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	00 00 00 00 00 00 00 00 00 00 00 00 00	1 1 1 1 1 1 1 1		C1				61	1 1 2 8	
2	- 1 2 - 2 3 10 16 14 19 16	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	17 14 20 21 34 15 25 16 17 214 226 239 218 208	6 6 10 8 12 9 18 9 13 2 11 109 129 126 118 117 152	7 6 8 12 16 6 12 14 6 105 97 111 100 91						01 10 10 10 10 10 10 10 10 10 10 10 10 1	1 1 1 1 1 1		G1 G1			1	60 4 61	1 1 2 8	
2	1 - 1 - 2 - 2 3 - 10 16 14 19 16	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 11 16 17 14 20 21 34 15 25 16 17 214 226 239 218 208	6 6 6 10 8 12 9 18 9 13 2 11 109 129 126 118 117 152	2 6 10 7 6 8 12 16 6 12 14 6 105 97 111 100 91		11 1 1 1 1 1			1	01	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	G1 G1				60	1 1 2 8	
2	1 - 1 - 2 - 2 3 - 10 16 14 19 16	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 11 16 17 14 20 21 34 15 25 16 17 214 226 239 218 208	6 6 6 10 8 12 9 18 9 13 2 11 109 129 126 118 117 152	2 6 10 7 6 8 12 16 6 12 14 6 105 97 111 100 91		11 1 1 1 1 1			1	01	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	G1 G1				60	1 1 2 8	
2	1 - 1 - 2 - 2 3 - 10 16 14 19 16	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 11 16 17 14 20 21 34 15 25 16 17 214 226 239 218 208	6 6 6 10 8 12 9 18 9 13 2 11 109 129 126 118 117 152	2 6 10 7 6 8 12 16 6 12 14 6 105 97 111 100 91		11 1 1 1 1 1			1	01	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	G1 G1				60	1 1 2 8	
2	1 - 1 - 2 - 2 3 - 10 16 14 19 16	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 11 16 17 14 20 21 34 15 25 16 17 214 226 239 218 208	6 6 10 8 12 9 18 9 13 2 11 109 129 126 118 117 152	7 6 8 12 16 6 12 14 6 105 97 111 100 91			1 1 1 1 1 1			01 10 10 10 10 10 10 10 10 10 10 10 10 1	1 1 1 1 1 1 1 1		G1 G1			1	60 4 61	1	

TABLE XVII.—Continued.—Specified Causes of Death.

				ğ	MONT	H8,	1878.	œ.						YEARS	188 188				_		¥	AGES IN		PERIODS OF YEARS.—1878.	RIC	000	Ö	Ä	EVE	U.	ĕ	ගේ	
SEX.	January.	February. March.	April.	May.	June.	July.	August. September.	September. October.	November.	December.	Unknown,	1878.	.7781	1976.	1875.	*#281	18781	CAUSES OF DEATH.	Under 5.	.01 os d	10 to 19.	15 to 20.	20 to 25.	25 to 35.	.04 of 66	40 to 45.	45 to 50.	50 to 55.	55 to 60,	60 to 65.	70 to 75.	75 to 80.	Joyobna 08
Females	:	1	1	1 :	:	1	1 :		:	- 1	13		1		1	1		Brain, Compression of	1	1	- 1	1	1	-:	1	:	:		1 ;	1 :	1	-;	1 :
Total	1	:	-	- 1	F	+	- 1	-	1	- 1	- ;	60	*0	01	1	1	1	Brain, Concussion of	-	:	- (	:	:	1	0	-	- ;	. :	-	+	- !	- }	-
Males	- 1	1	1	- 1	-	-	1	-	- 1	- 1	_ (	.01	4	01	1	1	- 1		1	1	- 1	1	i	+	-		:	1	:	1	:	- 1	
Females	- (	1	-	- )	- 1	-	1	- :	-:	- :	- ;	-	-	1	1	1	- 1		1		1	1	i	- ;	1	- (	- ;	1	-	+	- 1	- }	-
Total	9	01 9	0 11	9	6	=	20 21	1 13	60	7	1	131	153	175	106	145	178	Brain, Disease of	74	=	10	9	Ç1	=	01	00	4	- 1	9	00	60	- 1	:
Males	*	01	5 6	9	60	6	01	90	60	6		75	2	101	\$	61	97		37	2	+	10	-	17	2 1	-	C4	-:	75		90	- 1	- 1
Fomales	01	4	5	*	7	64	10 13	133	10	9	- 1	29	74	74	58	8	8	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	- 37	2	-	-	-	4	-	0.	01	- 1	-	04	1.1	1	-:
Males	1	1	- 1	:	;	-	- :	- :	1	-1	1		04	1	1			Brain, Effusion of	1	- 1	- 4	1	i	+	1	- 1	;	i	1	- 1		- 1	1
Females	- 1	1	- :	:	;	i	-:	+	:	- :	1	- 4	01	1	1	1			1	- 1	- 1	1	i	-	1	:	- 4	1	1	1	- 1	- 1	·
Total	9	22 15	5 19	10	81	19	28 27	18	8	19	- 1	225	165	275	232	261	333	Brain, Inflam. of	145	515	9	4	21	60	60	99	- 1	-	2	60	G1	1	7
Males	4	=	8 12	*	00	9	12 IS	64	6 6	0	- 1	107	154	148	132	144	195	;	102	7	10	*	1-	01	63	-	:	:	*	-	- :	-	-
Females	00	90	7 7	6	7	22	16 15	_	9 11	10	- 1	18	137	127	88	117	138	* * * *	75	90	10	9	10	-	61	61	1	-	-	04	01	- 1	- 1
Unknown.	;	+	1	1	4	÷	+	-	1	-1	i		1	1		1			1	1	- 1	1	1	+	+	:	;	1	1	+	3	1	. 1
Males	1	:	1	-1	- 1	÷	:	+		- 1	1		1	1	-	1	-	Brain, Injury of	1	:	-1	- 1	i	:	-:	:	1	- 1	÷	÷	- 1	:	- 1
Total	:	1	C1	- [	1	- 4	-	1	-	4	1	uo	91	60	7	00	1	Brain, Paralysis of	-	-	- 1	-	÷	÷	1	-	-	1	-	-	:	-	1
Males	-	:	- 1	- 1	- 1	- 1	1	- :	-	61	1	4	-	7	-	01	-	, ,	7	-	:	1	÷	+	-	-:	1		÷	+	- 1	-	7
Females	- 1	1	:	- ;	1	1	-	:	+	04	1	*	-	G,	20	-	1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1	. 1	:	-	÷	+	+	-	-	- 2	:		- 5		1
Males	1	1	4	-0	;	÷	+	- 1	1	- ;	1		-	1	1	1	1	Brain, Rupture of	1	1	-1	1	÷	+	-	1	- 1		÷		- 1	-;	1
Total	Ç4	1 2	1	01	02	1	-	60	-	-	1	25	50	30	8	15	19	Brain, Softening of	÷	1	1	H	÷	î	-		69	93	60	00	-	-	90
Malos	01	1 2	-	-	09	-	4	200	-	-	1	90	81	23	55	12	25	*	-	:	- 1	i	i	-	-	- 1	Ĉ1	93	69	00	60	-	01
Females		-		-			-	0	_				t		t			:		_		-		_	_								-

	-		.2-	×				-		4		5	-				-	-				1	1		
-	-	-	1	-	-	-	1	-	1	_	-	-	-	-	-	20	10	7	-	:	-	-	-	-	-
-	1		1	1	01	-	1	1	-		1	-		1	14.	13	9	2	-		-	:	1	1	1
-	11	-	+	-	04	-	69	1	-	-	1	-	1	-	-	=	_	9	:	-	1	1	-		-
-	+		-	-	_	- 1	_	-	-	-	1	1	1	-	:	3 16	2 10	_	_	-	-	-	-	1	1
2	-	-1	-	-	60	01	-	1	-	1	1	-	1	-	1	38	5 15	55	1	-	-	-	-	1	-
-	1	-	-	-	-00	-		1	1	1	:	:	1	:	-	3	3 15	16	1	:	3		- 1	39	1
-	-	-	-	-		-	_	1	1	1	-	-	1	-	7	9	18	550	-	-	-	1	-	-	-
	1	:	-	1	-	-	-	1	1	:	:	-	1	1	:	27	3 13	7 14		-	-	;	1	-3.	:
-	1	1	-	1	-	-	-	1		G4	01	1	1	-	1	30	53	17	-	-	-	-		4	:
-	1	1	1	1	_	-	-	-	1	64	-	-	1	+	9	18	94	2 15	- 1	:	1	1	1	1	-
-	-	-	-	-	_	-	-	1	1	60		62	1	-	-	9 14	00	6 12	1	-	;	-	1	1	1
-	-			-	04	01		1	-	-	:	-	-	-	-	9	01	7	-	1	1	-	:	-	:
+	-	1	1	-	60	-	01	1	-	-	-	-	1	:	-	04	-	-	1	1	1	-	1	:	1
-	1	-	1	-	-	-	-	1	-	CI	-	-	-	-		-	-	-	-	+	-		,	-	-
+	-	1	1	-	1	-	1	:	-	00	01	-	-	-	1	1	;	1		:	:	-	-	:	-
+	-	÷	+		-	+	-	+	÷	9	-	10	1	+	+	:	-	-	-	÷	-		-	-	1
-	-	1	1	1	50	24	00	:	-	11	6	90	1	:	1	1-	*	60	50	6	15	:	1	:	-
-	-	-	1	1	-			1	1	-	-		1	1	1				-		7	1	1	1	1
1	1	1	1	-	1	1	1	1	1		4	1	1	1	1	-	1		4	1		4	1	1	
- 8	1	-	1		1	1	1	1			3	1	1		1	1	1	1	4	1		3	3	1	3 1
- 8	-	1	-	1	1	1		1	1		1	1	1	-	1			3		1	-	-			3.1
-	1	1	1	1	-	1	1	1			4		1	1	1	-		3		1			1		
'n		-	1	1	1	1	-	9	-	1	1	1		1	4	1	4	1	1	1			-	-	
E.		lic.	E.		1	1	1	4		1	1	1	1	1	1	1	1	1	1	-	-		nd	Sk	-
E E	=	ron	=	=	1		1	en	1	1	1	1	-	tic	-	1	1		-	1	1	1	He	No	
80		Oh			1	1		tB	nin		1	1	1	BDB	ens		1	1	ma	3		Da	-	0	
100		8			100			ren	Br		1	1	1	H	H	1	-	1	No	*	-	Re	00	9	
=		=			=			H	=	- 3	- 8	- 1		90	002		- 1		=				7	0	
72														12	=	- 13		- 2	24			0	ĕ	-	
nehi	=	nch	=	=	neh	=	:	181	eti	118	-			nlu	ulu	cer.	-	3	ker		16.	sule	ung	pnn	=
roneh	2	ronch		=	ronch	=	:	rutal	ulleti	urns.	:			alculu	alculu	ancer.		:	anker			apsule	arbund	arbun	*
Bronch		Bronchitis, Chronic	"	" "	8 Bronchitis			Brutal Treatment	. Bullet in Brain	2 Burns		:		Calculus, Hepatic	Calculu	Cancer.	2	:	Canker			Capsule, Renal	Carbuncle on Head	Carbuncle on Neck	-
2 Bronchitis, Capillary	- 09	04	" "	1 "	18	11	" 1	Brutal	Bullet i	52	19	33		Calculu	1 Calculus, Rena	171 Cancer	75 "	36	49 Canker (Noma)	56	23	Capsule	1 Carbune	Carbun	*
1 2 Bronch			1	" "	32 18 Bronch		13 7 "	Brutal	Bullet i			28 33		Calculu	1 Calculu	188 171 Cancer.	84 75 "	104 96 "	31 49 Canker		15 23	Capsule	1 Carbune	Carbun	-
1 2 Bronch		04	01	" " "	18	11	22 13 7 **	1 Brutal	Bullet i	52	19			Calculu	1 Calculu		-	-	7	56	30	Capsule	1 Carbune	Carbun	*
1 2 Bronchi		04			32 18	19 11	30	1 Brutal	1 Bullet i	39 52	13 19	98		Calculu	1 Calculu	188	**	104	31	16 26	15	Capsule	1 Carbune	1 Carbun	"     <sub>t</sub>
- 1 1 2 Bronchi		04		1 1 "	41 32 18	19 19 11	22	1 Brutal	1 Bullet i	39 52	13 13 19	23 26		1 Calculu	1 1 Calculu	241 202 188	118 72 84	123 130 104	35 31	16 16 26	19 15	1 Capsule	1 Carbune	1 Carbun	"   1
1 1 2 Bronchi		04	01	1 1 1 "	42 41 32 18	27 19 19 11	16 22	1 Brutal	1 Bullet i	41 36 39 52	16 13 13 19	22 23 23 26	01	1 Calculu	1 1 Calculu	265 241 202 188	124 118 72 84	141 123 130 104	30 39 35 31	23 16 16 26	16 19 15	1 1 Capsule		1 1 Carbun	"   "   "   "
1 2 Bronch		64	01	1 1 1 1 "	42 39 42 41 32 18	22 21 27 19 19 11	20 18 16 22			39 28 41 36 39 52	17 6 16 13 13 19	22 22 23 23 26		1	1 1 1 1	269 265 241 202 188	116 124 118 72 84	153 141 123 130 104	25 30 39 35 31	23 16 16 26	14 19 16 19 15	1 1	1 Carbune	11	1     t
1 1 2 Bronchi		64	01		42 89 42 41 32 18	21 27 19 19 11	20 18 15 22	1 Brutal		. 39 28 41 36 39 52	17 6 16 13 13 19	22 22 23 23 26	1	1		269 265 241 202 188	116 124 118 72 84	153 141 123 130 104	30 39 35 31	23 16 16 26	14 12 16 19 15	- 1 1		1	
deli-i l l l aBronchi		64	01		2 42 39 42 41 32 18	22 21 27 19 19 11	2 20 18 15 22			2 39 28 41 36 39 52	17 6 16 13 13 19	2 22 22 23 23 26	1			26 269 265 241 202 188	11 116 124 118 72 84	15 153 141 123 130 104	1 - 25 30 39 35 31	11 18 23 16 16 26	1 14 19 16 19 15		1 Carbune	1 1	
1 1 2 Bronch		04 04 04 03	01	" " " " " " " " " " " " " " " " " " " "	42 89 42 41 32 18	22 21 27 19 19 11	20 18 15 22			2 2 39 28 41 36 39 52	17 6 16 13 13 19	1 2 22 22 23 23 26	1		1	17 26 . 269 265 241 202 188	6 11 116 124 118 72 84	11 15 153 141 123 130 104	3 1 25 30 39 35 31	8 11 18 23 16 16 26	14 12 16 19 15	- 1 1	1 Carbune	1 1	
-      1  1 glBronchi		64	01		4 5 2 42 39 42 41 32 18	22 21 27 19 19 11	1 2 2 20 18 16 22		1	2 2 2 2 39 28 41 36 39 52	1 17 6 16 13 13 19	2 1 2 22 23 23 26	1	1		17 26 . 269 265 241 202 188	6 11 116 124 118 72 84	14 11 15 153 141 123 130 104	6 3 1 25 30 39 35 31	2 8 11 18 23 16 16 26	4 1 14 12 16 19 15				
	. 1	C4	01		2 42 39 42 41 32 18	3 3 22 21 27 19 19 11	2 20 18 15 22			2 2 39 28 41 36 39 52	17 6 16 13 13 19	1 2 22 22 23 23 26	1		1	22 25 17 26 269 265 241 202 188	11 11 6 11 116 124 118 72 84	11 14 11 15 153 141 123 130 104	3 1 25 30 39 35 31	3 11 18 23 16 16 26	1 14 19 16 19 15				
		04 04 04 03	61	" " " " " " " " " " " " " " " " " " " "	5 4 5 2 42 39 42 41 32 18	3 3 22 21 27 19 19 11	1 2 2 20 18 16 22		1	. 2 2 2 . 39 28 41 36 39 52		22 23 23 26	1	1	1 1	26 22 25 17 26 269 265 241 202 188	10 11 11 6 11 116 124 118 72 84	16 11 14 11 15 153 141 123 130 104	5 5 6 3 1 25 30 39 35 31	2 8 11 18 23 16 16 26	4 1 14 12 16 19 15				
-               1 g  Bronchi	. 1	C4	01		2 5 4 5 2 42 39 42 41 32 18	3 3 22 21 27 19 19 11	1 1 2 1 2 2 20 18 15 22		1	7 2 2 2 39 28 41 36 39 52	3 1 17 6 16 13 13 19	4 2 1 2 22 23 23 26	1		1	26 26 22 25 17 26 269 265 241 202 188	12 10 11 11 6 11 116 124 118 72 84	14 16 11 14 11 15 153 141 123 130 104	5 6 3 1 25 30 39 35 31	2 8 11 18 23 16 16 26	4 1 14 12 16 19 15				
-          1  2 Bronchi	. 1	04 04 04 03 03	C1	" " " " " " " " " " " " " " " " " " " "	2 2 2 5 4 5 2 42 39 42 41 32 18	. 1 3 8 8 22 21 27 19 19 11	2 1 1 2 1 2 2 20 18 16 22	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	2 5 7 2 2 2 39 28 41 36 39 52	1 8 8 1 17 6 16 18 13 19	1 2 4 2 1 2 22 23 23 23	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	26 26 22 25 17 26 269 265 241 202 188	6 12 10 11 11 6 11 116 124 118 72 84	14 16 11 14 11 15 153 141 123 130 104	1 5 6 8 1 25 30 39 35 31	1 2 2 3 11 18 23 16 16 26	1 4 8 4 1 14 12 16 19 15		1 Carbung		
It interpretations the state of	1 8 1 1 1 .8	04 04 03 03 04 04	61	" " " " " " " " " " " " " " " " " " " "	2 5 4 5 2 42 39 42 41 32 18	3 3 22 21 27 19 19 11	3 2 1 1 2 1 2 2 20 18 16 22	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	5 7 2 2 2 39 28 41 36 39 52	2 1 8 3 1 17 6 16 13 13 19	3 1 2 4 2 1 2 22 22 23 23 26			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	26 26 22 25 17 26 269 265 241 202 188	6 12 10 11 11 6 11 116 124 118 72 84	14 16 11 14 11 15 153 141 123 130 104	1 1 5 5 6 8 1 25 30 39 35 31	1 1 2 2 8 11 18 23 16 16 26	1 4 8 4 1 14 19 16 19 15				1
It interpretations the state of	1 8 1 1 1 .8	C4	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 7 2 2 2 5 4 5 2 42 39 42 41 32 18	11 4 1 1 8 8 8 22 21 27 19 19 11	8 2 1 1 2 1 2 2 20 18 16 22	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		7 5 2 5 7 2 2 2 39 28 41 36 39 52	3 2 1 3 3 1 17 6 16 13 13 19	4 3 1 2 4 2 1 2 22 23 23 28				26 26 22 25 17 26 269 265 241 202 188	6 12 10 11 11 6 11 116 124 118 72 84	14 16 11 14 11 15 153 141 123 130 104	2 1 1 5 5 6 8 1 25 30 39 35 31	1 1 1 2 2 3 11 18 23 16 16 26	1 1 4 8 4 1 14 19 16 19 15	1		1	
It interpretations the state of	1 8 1 1 1 .8	C1 C1 C1 C1 C1 C1 C1 C1 C1 C1 C1 C1 C1 C	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6 1 7 2 2 2 5 4 5 2 42 39 42 41 32 18	. 1 3 8 8 22 21 27 19 19 11	4 8 2 1 1 2 1 2 2 20 18 15 22			3 7 5 2 5 7 2 2 2 39 28 41 36 39 52	3 2 1 3 3 1 17 6 16 13 13 19	3 4 3 1 2 4 2 1 2 22 23 23 26				26 26 22 25 17 26 269 265 241 202 188	6 11 18 6 12 10 11 11 6 11 116 124 118 72 84	14 16 11 14 11 15 153 141 123 130 104	2 1 1 5 5 6 8 1 25 30 39 35 31	1 1 1 2 2 8 11 18 28 16 16 26	1 1 4 8 4 1 14 19 16 19 15	1			
It interpretations the state of	1 8 1 1 1 .8	C1 C1 C1 C1 C1 C1 C1 C1 C1 C1 C1 C1 C1 C	C4 C4 C4 C4 C4 C4 C4 C4 C4 C4 C4 C4 C4 C	" " " " " " " " " " " " " " " " " " " "	3 6 1 7 2 2 2 5 4 5 2 42 39 42 41 32 18	1 2 1 4 1 1 8 8 8 22 21 27 19 19 11	2 4 8 2 1 1 2 1 2 2 20 18 15 22			1 3 7 5 2 5 7 2 2 2 39 28 41 36 39 52	1 8 2 1 8 3 1 17 6 16 18 13 19	. 3 4 3 1 2 4 . 2 1 2 22 23 23 26				26 26 22 25 17 26 269 265 241 202 188	6 11 18 6 12 10 11 11 6 11 116 124 118 72 84	14 16 11 14 11 15 153 141 123 130 104	2 1 1 5 5 6 8 1 25 30 39 35 31	1 1 1 2 2 8 11 18 28 16 16 26	1 1 4 8 4 1 14 19 16 19 15	1			
It interpretations the state of	1 8 1 1 1 .8	C1	1 2 1	" " " " " " " " " " " " " " " " " " " "	3 3 6 1 7 2 2 2 5 4 5 2 42 39 42 41 32 18	3 1 2 1 4 1 1 8 3 3 22 21 27 19 19 11	- 2 4 - 8 2 1 1 2 1 2 2 - 20 18 16 22			3 1 3 7 5 2 5 7 2 2 2 39 28 41 36 39 52	8 1 8 2 1 8 8 1 17 6 16 18 13 19	. 3 4 3 1 2 4 . 2 1 2 22 23 23 26				26 26 22 25 17 26 269 265 241 202 188	3 11 6 11 18 6 12 10 11 11 6 11 116 124 118 72 84	14 16 11 14 11 15 153 141 123 130 104	1 2 1 1 5 5 6 3 1 25 30 39 35 31	1 1 1 2 2 3 11 18 23 16 16 26	1 4 8 4 1 14 19 16 19 15	1			
It interpretations the state of	1 8 1 1 1 .8	C1	1 2 1	98 1 1 1 1 1 1	3 3 6 1 7 2 2 2 5 4 5 2 42 39 42 41 32 18	3 1 2 1 4 1 1 8 3 3 22 21 27 19 19 11	- 2 4 - 8 2 1 1 2 1 2 2 - 20 18 16 22			3 1 3 7 5 2 5 7 2 2 2 39 28 41 36 39 52	8 1 8 2 1 8 8 1 17 6 16 18 13 19	. 3 4 3 1 2 4 . 2 1 2 22 23 23 26				26 26 22 25 17 26 269 265 241 202 188	3 11 6 11 18 6 12 10 11 11 6 11 116 124 118 72 84	14 16 11 14 11 15 153 141 123 130 104	1 2 1 1 5 5 6 3 1 25 30 39 35 31	1 1 1 2 2 3 11 18 23 16 16 26	1 4 8 4 1 14 19 16 19 15	1			
It interpretations the state of	1 8 1 1 1 .8	C1	1 2 1	ales 1	3 3 6 1 7 2 2 2 5 4 5 2 42 39 42 41 32 18	3 1 2 1 4 1 1 8 3 3 22 21 27 19 19 11	- 2 4 - 8 2 1 1 2 1 2 2 - 20 18 16 22			3 1 3 7 5 2 5 7 2 2 2 39 28 41 36 39 52	8 1 8 2 1 8 8 1 17 6 16 18 13 19	. 3 4 3 1 2 4 . 2 1 2 22 23 23 26				26 26 22 25 17 26 269 265 241 202 188	3 11 6 11 18 6 12 10 11 11 6 11 116 124 118 72 84	14 16 11 14 11 15 153 141 123 130 104	1 2 1 1 5 5 6 3 1 25 30 39 35 31	1 1 1 2 2 3 11 18 23 16 16 26	1 4 8 4 1 14 19 16 19 15	1			
Males	1 8 1 1 1 .8	C4 C4 C	C4 C4 C4 C4 C4 C4 C4 C4 C4 C4 C4 C4 C4 C	Females 1	3 6 1 7 2 2 2 5 4 5 2 42 39 42 41 32 18	1 2 1 4 1 1 8 8 8 22 21 27 19 19 11	2 4 8 2 1 1 2 1 2 2 20 18 15 22			1 3 7 5 2 5 7 2 2 2 39 28 41 36 39 52	1 8 2 1 8 3 1 17 6 16 18 13 19	3 4 3 1 2 4 2 1 2 22 23 23 26				26 22 25 17 26 269 265 241 202 188	6 11 18 6 12 10 11 11 6 11 116 124 118 72 84	16 11 14 11 15 153 141 123 130 104	2 1 1 5 5 6 8 1 25 30 39 35 31	1 1 1 2 2 8 11 18 28 16 16 26	1 1 4 8 4 1 14 19 16 19 15				

TABLE XVII. -CONTINUED. - Specified Causes of Death.

1	Unknown.	1 3	-3			2	=	-	-		1							:	:	1	: :	20
	80 and over.	1				.00	000				-								:		1	
1 4	75 to 80.	1 :				01	01					- 1				1			1 3		1	
YEARS1878	70 10 10	1 :			100	00	- 20	1			-								:			
7	.07 of 68	1 :				60	04	-	-		:			-	-				0 1		0	
00	.60 01 00	1 :				16	12	-	9		;				100	=			1	_		
3	.00 01 66	1 :			_	_	_	_			-		_							_		
Y.B.	50 to 55.	1 :		=	_	CO	_				-	-				_				_		
	45 to 50.	1 :	:		_	-06	_	_	-		-	:	_			_		=				
80	40 10 45.	1 :	_	_	_		_		-	_	:		_				=	=			=	_
PERIODS OF		1 :	_			_	_		-		_	:		64	_		_	=		=	_	
RIC	.01 to 40.	-	_	- 1	_	3 17			_	_	- ;	_	-		-							
PE	30 to 35.	1 :	_	_	_	_	13		-:	_	- :	:	=	_	_	_		_			_	=
IN	25 to 30.	1 :		_	_	17	17		-	1	- 1	. ;	- 1		-	_			_	- 6	_	-
100	20 to 25.	1 :	-	_	1	=	=	_	:	:	- 1	- 1	- 1	- 3	:	_			_			
AGES	15 to 20.	1 :	:	- ;	- 1	16	5	-	- 1	:	- 1	- ;	- ;	-	- 01	;	-			-	10	-
AC	10 to 15.	1 :		- ;	- 1	00	00	- 1	- 1	:	- 1	-	- 1	_ 1								
	5 to 10.	1 :	:	:	;	13	8	-	- :	4	1		- 1	1	1	- 1	- 3		;	1	1	
	Under 5.	1	1	-	1	6	10	4	-	-	-	-	1	*	00	-			1			
	CAUSES OF DEATH.	Carbunele		Cardialgia	Caries of Joint	Casualty		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Catarrh in Head	" " " "	Catarrh, Intestinal		Catarrh of Lungs	Catarrh	,,	"	Chest Disease	" "	Ohicken-pox	" " "	254 Childbirth	Childbirth, Inflam, after
	1873	20	1	-	1	223	186	37	1	1	1	1	7	9	9	1	1	-	-	-		
	781	-	1	1	1	182	155	101	1	1	1	1	-	5	64	60	1	1	1	-	197	1
RS.	,atst	-	-	-	1	215	195	50	1	01	1	1	1	7	00	*	1	1	01	-	173	0
YEARS.	.978I	1	1	-	-	000	197	25	-	1	1	1	1	==	00	00	-	-	-	-	151	
	.7781	-	1	1	1	222	195	27	;	1	-	1	1	7	7	1	1	1	1	1	151	
1	,8781	1	1	1	1	202	184	18	-	1	1	H	i	==	-	4	1	î	-	1	101	
	Unknown,	:	-	•	:	1	1	:	-	1	1	-1	1	1	1	-	1	-	:	1	1	
	l necember.	:	1	1	1	61	19	1	:	:	:	1	1	Q4	-	-	1	1	+	:	20	
	I November,	1	-	:	:	7	21	01	•	:	1	1	1	-		-	1	1	:	T	13	
	October.	-	:	1	1	57	5	:	1	-	1	1	-	-	:	-	1		1	1	15	
	September.	-	:	-	:	01	F-	10		-	:	1	-	-	-	*	-	-		-	13	-
1878.	August.		i	1	i	34	60	01	1	i	i	-	i	1	1	i	i	1		1	10	-
EB,	July.	-	1	1	:	18	16	01	1	1	1	;	1	1	1	1	1	1	1	1	18	-
LN	June,	1	i		1	18	18	:	:	1	:	:	:	:	1	:	1	1	:	1	=	
MONT	May.	i	1	1	1	10	151	-	<u>:</u>	1	1	:	-	:	:	i	-	1	i		1	
9	April.	-	1	1	+	+	12	01	+	1	:	-:	:	60	04	-	1	-	- 1	:	00	
			_	_	_	4	13	-	_	1	-	1	1	1	1	1	1	1	1	:	00	-
	March.	-	1	:	-	9 14 14	7	64	1	_	_	_	_	01	09		_	_	_		7 13 13 17 11	-
	February.	1	;	1	1				:	-	1	-	1	-	-	1	1	:		1		-
-	. Vanuary.	1	1	1	1	13	12	-	1	i	1	1			-	-	-	:	_	1	7	-
	SEX.	Males	emales	males	168	M	18	iles	B	iles		sies	36	81	108	anles	69	emales	Malos	Females	Females 11	Females

18																											
-	1	- 1	1	1	12	+	1	1	- 1	61	1.3	1	G9	-	- 1	- 1	1	-	-	3	-	-	:	1	- 1	1	4
=	-	-	1	1	1	:	+	1	1	-	-		;	+	3	- 1	-	1	+	1	- ;		-	-	- 1	1	-
- C1	01	-	1	+	-	:	1	1	1	+	1	1	1	-	-	*:	+	-	-	1		+	-	1	-		-
50	G4	-	1	+	-	1	1	-	-	-	1	:	-	01		01	-	-	1	-	-	1	-	-	-	-	-
=	01	04	-		1	1	-	1	-	-	- 1	1	-	99	-	21	-	-	- 1	-:	-	:	1	-	-	-	1
2	01	65	-	÷	i	-	:	-1	1		-	1	-	-	-	1	-	-1	1	- 1					-		
=	- :	-	1	1	1	1	1	1	1	-	-	1	1	-	- ;	H	1	1	-	-	1	- 1	1	1	17	-	
=	:	-	1	:	:	+	:	:	1	1	1	1	:	-	1	-	:	:	1	:	1	-	1	1	7	:	
60	-	24	1	:	1	:	1	-	1	1	1	:	;	-	-:	-	1	1	-	-	1	:	3	1	1	-	
64	= ;	04	1	:	1	:	1	-:	- 1	:	1	1	:	63	-	-	;		1	1	- 1	1	- 1		-1		
10	61	63	1	;	:	1	- :	:	-1	-	1	1	-1	- 1	- 1	- 1	- 1	- ;	- 1	- 1	- 1	- 1	1	- 1	- 1	-	
3	04	01	1	1	:	+	+	:	-:	1	-	1	-	-	-	- 1	-	- 1	- ;	- 1	-	- 1	- 1	-1	:	-	-
-	01	04	1	-		7	1	-	-	-	-	;	:	1	-	7	- :	- 1	-	:	1	-	- 1	- 1	-	;	-
5	-	01	-	+	1	-		-	-:	-	-	1	-	-	-	-	H		-	-	-	1	-	- 1	01	- 1	-
9	200	100		-	-	+	1	:	•	*		-	-	-	-	-	-		-		1.	:	-	-	1	1	-
-	-	OD	-		:	-	•	20	-	582	123	112	-	20	9	61	60	+	1	+	1		- 1	- 1	67	9	19
3			1	1	1	1	*		-	Q.	-	-	1		-			1	1	1		1	1	:	-		
1	1	:	1	1	1	:	1	1	-	1	1	-	1	1	1	:	1	1	1	1	1	1	1	:	1	1	1
- 1		1	1	1	-	1	1		1	1	1	4	+	1	1	1			1	1		1	1				1
	1	1		1	1	1	1	1	-	+	1	1	-	1	1	1	1	1	-	1	1	1	1	1	1	1	1
-	1	1	1	1	1	:	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1
		1	1	1	1		1	1	-	-	1	1	1		1	1	1	1	1	- 1	1	1	1	-	1		1
T.			00	1	1	1	1	-	1	1				S.	140	,	1	1		1	-	rei	- 1	1	1	1	1
es		100	no	1	1		1	1	i	ant	:		:	rbu			i	1	1	1	1	3	1	88	1	1	1
ng	-	-	er	1	E	100	1	1	i	in				Mo	•	-	1	4	1	1	i	of	1	TIL	1	3	1
ŏ			Z	ne	OJO		9818	d.	1	E				ra			2	,		,	1	818	818	n I	1		i
118,			118	O.L.	2	-	orc	Ke	=	le	:			9	:	=	9		0	-		P	2	0	-	3	
73													-	-	-	-	~	=	-		-	24	-	ರ	- 73		
5			Ch	Ohl	Chle		Ohl	Cho		Cho		3		Cho		3	Chol	-	Chor	•	7	Clrr	Olrr	Cold	Cold	=	2
13101	40	150	Chills, Nervous	Chlorine .	2 Chloroform	-	1 Chlorosis	1 Choked	-	306 Cho		127	-	37 Cholera Morbu	253	11	6 Cholera	-	5 Chores	-	20	Cirrhosis of Liver	Cirrhosis.	1 Cold on Lungs	18 Cold	11	7 "
8 113 Chills, Congestive	40	19	. 1 Ch	Chi	- 2 Chic	-	. 1 Ohl		1	8 306 Cholera Infantum	179	5 127	1	750	23	3 14		80			9	Clrr	Oirr	- 1 Cold	200	=	11 71 "
78	67 77	19 18	порт	Chi	2 Chle		1 Ohl	04	04	878	163 179	115		18 37		8 14		60	60		9	Clrr	Oirr	1 Cold	83	11 11	11 11 11 "
700	27 44 49	19	1 Ch	Chi	2 Chic		1 Ohb		1	1000	179	-	01	750	23	8 3 14		1 3 8		1 8	1 6	Cirr	Olrr	1 Cold	200	=	8 11 7 111
78	67 77	19 18	1 Ch	Ohl	2 Chic		1 Ohl	04	1	878	163 179	115	01	18 37	23	12 8 3 14		6 1 3 8	60	1 3	1 1 6	8 Cirr	1 Olrr	1 Cold	83	11 11	
62 78	27 44 49	35 34 64		1 Ohl	1 2 Chic	1	1 Ohl	64	01	331 289 278	971 161 161 671	130 115	01	16 18 37	8 15 23	8 3 14		5 6 1 3 8	60	1 2 1 3	. 1 1 6		1 Cirr	1 1 Cold	20 25	12 14 11	18
1 75  65  62  78	39 27 27 44 40	98 35 34 64	1 Ob	1 Ohl	1 2 Chic	1 1 1	1 1 Ohl	64	01	370 331 289 278	905 179 167 163 179	152 130 115	04	26 27 16 18 37	8 15 23	8 3 14		. 5 6 1 3 8	60	1 2 1 3	1 1 1 6		1 Oirr	1 1 Cold	12 24 20 25	13 12 14 11	18
1 55 62 78	28 39 27 27 44 49	36 36 28 35 34 G4	1 1 1 1 1			. 1 1 1	1 1	4 1 2 2	01	243 370 331 289 278	125 205 179 167 163 179	116 165 152 130 115	64	23 26 27 16 18 37	13 17 15 8 15 23	10 9 12 8 3 14	4 10 6 1 8 6	5 6 1 3 8	2 2 2 2	1 2 1 3	1 1 1 6	80	1		18 12 24 20 25	8 8 13 12 14 11	11 8 11
1 75  65  62  78	28 39 27 27 44 49	36 36 28 35 34 64	1 Oh	1 ohl	1 2 Chic			1 2 5 2	01	243 370 331 289 278	- 125 205 179 157 163 179	152 130 115	04	. 23 26 27 16 18 37	8 15 23	10 9 12 8 3 14			60 60	2 1 2 1 3		00			18 12 24 20 25	8 8 13 12 14 11	11 8 11
1 75  65  62  78	28 39 27 27 44 49	36 36 28 35 34 G4	1 1 1 1 1			;	1 1	4 1 2 2	01	8 243 370 331 289 278	125 205 179 167 163 179	116 165 152 130 115	64	23 26 27 16 18 37	13 17 15 8 15 23	10 9 12 8 3 14	4 10 6 1 8 6	5 6 1 3 8	60 60 60	1	1	00	1		18 12 24 20 25	8 8 13 12 14 11	11 8 11
1 75  65  62  78	28 39 27 27 44 49	2 - 36 36 28 35 34 64	1 1 1 1 1			1		4 1 2 5 2	01	5 8 243 370 331 289 278	9 125 205 179 157 163 179	2 1 116 165 152 130 115	64	. 23 26 27 16 18 37	13 17 15 8 15 23	10 9 12 8 3 14	4 10 6 1 8 6	5 6 1 3 8	01 00 01 01 01 01 01 01 01 01 01 01 01 0		1	00	1		18 12 24 20 25	8 8 13 12 14 11	11 8 11
1 75  65  62  78	28 39 27 27 44 49	2 - 36 36 28 35 34 64	1 1 1 1 1			;	1 1	4 1 2 2	01	19 5 3 243 370 331 289 278	3 2 125 205 179 157 163 179	10 2 1 116 165 152 130 115	64	. 23 26 27 16 18 37	13 17 15 8 15 23	10 9 12 8 3 14	4 10 6 1 8 6	5 6 1 3 8	60 60 60	1	1	00	1		1 8 18 12 24 20 25	2 8 8 13 12 14 11	18 III 8
1 75  65  62  78	28 39 27 27 44 49	4 2 2 36 36 28 35 34 64	1 1 1 1 1			1		4 1 2 5 2	01	42 19 5 8 248 370 331 289 278	9 3 2 125 205 179 157 163 179	2 1 116 165 152 130 115	64	. 23 26 27 16 18 37	13 17 15 8 15 23	1 1 10 9 12 8 3 14	4 10 6 1 8 6	5 6 1 3 8	01 00 01 01 01 01 01 01 01 01 01 01 01 0	1	1	00	1		1 8 18 12 24 20 25	2 8 8 13 12 14 11	18 III 8
7 7 14 6 6 6 8 -1 64 75 55 65 62 78	2 9 1 8 6 28 89 27 27 44 49	0 6 4 2 2 36 36 28 35 34 64	1 1 1 1 1			1		4 1 2 5 2	01	101 42 19 5 3 243 370 331 289 278	55 15 9 3 2 125 205 179 157 163 179	45 26 10 2 1 116 165 152 130 115	64	7 6 1 1 23 26 27 16 18 37	4 4 13 17 15 8 15 23	8 2 1 1 10 9 12 8 3 14	2 4 10 6 1 8 6	5 6 1 3 8	01 00 01 01 01 01 01 01 01 01 01 01 01 0	1	1	00	1		1 2 1 8 18 12 24 20 25	1. 1. 2. 8 8 13 12 14 11	18 III 8
1 75  65  62  78	2 2 2 3 6 28 39 27 44 49	4 2 2 36 36 28 35 34 64				1		4 1 2 5 2	01	38 101 42 19 5 3 243 370 331 289 278	21 55 15 9 3 2 125 205 179 157 163 179	10 2 1 116 165 152 130 115	64	. 23 26 27 16 18 37	13 17 15 8 15 23	2 8 2 1 1 10 9 12 8 3 14	2 2 4 10 6 1 8 6	5 6 1 3 8	01 00 01 01 01 01 01 01 01 01 01 01 01 0	1	1	00			2 1 2 1 8 18 12 21 20 25	2 1 1 2 8 8 13 12 14 11	18 III 8
7 7 14 6 6 6 8 -1 64 75 55 65 62 78	2 2 9 1 8 6 28 39 27 27 44 49	4 5 5 6 4 2 2 36 36 28 35 34 64	1 1 1 1 1			1		4 1 2 5 2	01	38 101 42 19 5 3 243 370 331 289 278	55 15 9 3 2 125 205 179 157 163 179	4 17 45 26 10 2 1 116 165 152 130 115	1 1 2	7 6 1 1 23 26 27 16 18 37	4 4 13 17 15 8 15 23	2 8 2 1 1 10 9 12 8 3 14	2 2 4 10 6 1 8 6	5 6 1 3 8	01 00 01 01 01 01 01 01 01 01 01 01 01 0	1	1	00			1 2 1 8 18 12 24 20 25	2 1 1 2 8 8 13 12 14 11	11 8 11
7 7 14 6 6 6 8 -1 64 75 55 65 62 78	2 2 2 3 6 28 39 27 44 49	3 4 5 5 6 4 2 2 36 36 28 35 34 64							01	101 42 19 5 3 243 370 331 289 278	21 55 15 9 3 2 125 205 179 157 163 179	45 26 10 2 1 116 165 152 130 115	1 1 1	7 6 1 1 23 26 27 16 18 37	4 4 13 17 15 8 15 23	2 8 2 1 1 10 9 12 8 3 14	2 2 4 10 6 1 8 6	6 6 1 8	01 02 01 03 01 03 03 03 03 03 03 03 03 03 03 03 03 03		1	60			1 2 1 2 1 8 18 12 24 20 25	2 1 1 2 8 8 13 12 14 11	11 8 11
7 7 14 6 6 6 8 -1 64 75 55 65 62 78	2 2 9 1 8 6 28 39 27 27 44 49	4 5 5 6 4 2 2 36 36 28 35 34 64					1 1 1	1 4 1 2 5 2	01	2 10 35 101 42 19 5 3 243 370 331 289 278	21 55 15 9 3 2 125 205 179 157 163 179	1 4 17 45 26 10 2 1 116 165 152 130 115	1 1 1 2	7 6 1 1 23 26 27 16 18 37	4 4 13 17 15 8 15 23	2 8 2 1 1 10 9 12 8 3 14	2 2 4 10 6 1 8 6		01 01 01 01 01 01 01 01 01 01 01 01 01 0			00			2 1 2 1 8 18 12 21 20 25	2 1 1 2 8 8 13 12 14 11	11 8 11
41 St St St St 71 71141 St St St 1 641 751 851 621 781	2 2 9 1 8 6 28 39 27 27 44 49	2 3 4 5 5 5 4 2 2 36 36 28 35 34 64						31	G4	5 2 10 38 101 42 19 5 3 243 370 331 289 278	8 1 6 21 55 15 9 3 2 125 205 179 157 163 179	2 1 4 17 45 26 10 2 1 116 165 152 130 115	1 1 1 1 2 2	1 1 1 5 7 6 1 1 23 26 27 16 18 37	1 1 8 4 4 13 17 15 8 15 23	1 2 8 2 1 1 10 9 12 8 3 14	2 4 10 6 1 8 6		60 60 60 60 60 60 60 60 60 60 60 60 60 6			00			1 2 1 2 1 8 18 12 21 20 25	2 1 1 2 8 8 13 12 14 11	11 8 11
1 21 41 31 31 61 71 7134 51 51 51 -1 641 751 551 621 781	1 1 1 1	1 8 2 8 4 5 5 6 4 2 2 36 36 28 35 34 64					1 1 1	31	G4	5 5 2 10 35 101 42 19 5 8 243 370 331 289 278	8 8 1 6 21 65 15 9 8 9 125 206 179 157 168 179	2 2 1 4 17 45 26 10 2 1 116 165 152 130 115	1 1 1	1 1 1 5 7 6 1 1 23 26 27 16 18 37		1 2 8 2 1 1 10 9 12 8 3 14	2 2 4 10 6 1 8 6	00 00 00 00 00 00 00 00 00 00 00 00 00	00 00 00 00 00 00 00 00 00 00 00 00 00			00			1 1 2 1 2 1 8 18 12 21 20 25	1 1 2 1 1 2 8 8 13 12 14 11	11 11 11.11 61 101 41.11 81
1 21 41 31 31 61 71 7134 51 51 51 -1 641 751 551 621 781	. 1 1 1 . 2 2 2 9 1 8 6 . 28 89 27 27 44 40	1 8 2 8 4 5 5 6 4 2 2 36 36 28 35 34 64						3 1 4 1 2 5 2	61 61 61	9 4 5 5 2 10 35 101 42 19 5 8 243 370 331 289 278	4 8 8 8 1 6 21 55 15 9 8 9 125 205 179 157 163 179	5 1 2 2 1 4 17 45 26 10 2 1 116 165 152 130 115	1 1 1	1 1 1 5 7 6 1 1 23 26 27 16 18 37	1 8 4 4 13 17 15 8 15 23	1 2 8 2 1 1 10 9 12 8 3 14	2 4 10 6 1 8 6	00 00 00 00 00 00 00 00 00 00 00 00 00	62 63 63 63 63 63 63 63 63 63 63 63 63 63		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				1 1 1 1 1 2 1 2 1 8 18 12 21 20 25	1 1 2 1 1 2 8 8 13 12 14 11	11 11 11 11 61 101 41. 111 81
41 St St St St 71 71141 St St St 1 641 751 851 621 781	. 1 1 1 . 2 2 2 9 1 8 6 . 28 89 27 27 44 40	1 8 2 8 4 5 5 6 4 2 2 36 36 28 35 34 64						3 1 4 1 2 5 2	61 61 61	9 4 5 5 2 10 35 101 42 19 5 8 243 370 331 289 278	4 8 8 8 1 6 21 55 15 9 8 9 125 205 179 157 163 179	5 1 2 2 1 4 17 45 26 10 2 1 116 165 152 130 115	1 1 1	1 1 1 5 7 6 1 1 23 26 27 16 18 37	1 8 4 4 13 17 15 8 15 23	1 2 8 2 1 1 10 9 12 8 3 14	2 4 10 6 1 8 6	00 00 00 00 00 00 00 00 00 00 00 00 00	62 63 63 63 63 63 63 63 63 63 63 63 63 63		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				1 1 1 1 1 2 1 2 1 8 18 12 21 20 25	1 1 2 1 1 2 8 8 13 12 14 11	11 11 11 11 61 101 41. 111 81
1 21 41 31 31 61 71 7134 51 51 51 -1 641 751 551 621 781	1 1 1 1	1 8 2 8 4 5 5 6 4 2 2 36 36 28 35 34 64						3 1 4 1 2 5 2	61 61 61	9 4 5 5 2 10 35 101 42 19 5 8 243 370 331 289 278	4 8 8 8 1 6 21 55 15 9 8 9 125 205 179 157 163 179	5 1 2 2 1 4 17 45 26 10 2 1 116 165 152 130 115	1 1 1	1 1 1 5 7 6 1 1 23 26 27 16 18 37	1 8 4 4 13 17 15 8 15 23	1 2 8 2 1 1 10 9 12 8 3 14	2 4 10 6 1 8 6	00 00 00 00 00 00 00 00 00 00 00 00 00	62 63 63 63 63 63 63 63 63 63 63 63 63 63		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				1 1 1 1 1 2 1 2 1 8 18 12 21 20 25	1 1 2 1 1 2 8 8 13 12 14 11	11 11 11 11 61 101 41. 111 81
1 21 41 31 31 61 71 7134 51 51 51 -1 641 751 551 621 781	. 1 1 1 . 2 2 2 9 1 8 6 . 28 89 27 27 44 40	3 2 3 4 5 5 5 4 2 2 36 36 28 35 34 64						31	01 01 01	4 5 5 2 10 35 101 42 19 5 8 243 370 331 289 278	8 8 8 1 6 21 65 15 9 8 2 125 206 179 157 168 179	1 2 2 1 4 17 45 26 10 2 1 116 165 152 130 115	1 1 1 1 2 2	1 1 1 5 7 6 1 1 23 26 27 16 18 37		1 2 8 2 1 1 10 9 12 8 3 14	2 2 4 10 6 1 8 6	00 00 00 00 00 00 00 00 00 00 00 00 00	00 00 00 00 00 00 00 00 00 00 00 00 00			8			1 1 1 2 1 2 1 8 18 12 21 20 25	1 1 2 1 1 2 8 8 13 12 14 11	

Death.
72
8
a
32
of
0
00
88
Gauses
2
0
-
a
3
8
R
-Specified
-
-84
A
M
D
Z
TINUED
CON
2
Ÿ
-
XVII.
12
3
ABLE
8
TA

1	Unknown	6 1	1	1		-	;	:	1		00	0	=	04	-	-	01	-	-	:		-
1	,19Yo bin 08	1	1	:	1	- 1		- 1	;	:	50	6	=		-	7	7	-			- 1	- 3
1	75 10 80.	-	-	- 1		1	-	-	1	-	31	50	=		-						-	-
100	-	-	-	- 1	-	-	-	-	-	-	50 3	25	-	-	-		-	- 1		:	1	-
00	70 to 15.	-	:	-	-	1	:	-	:	:	63 5	_	24	-	-		-		-			-
187	.07 03 50	-	1			-	-	-	:			88	_	- 1	-	- *		-	-	-	-	-
1	.60 01 00	-	- 1	-	- 1		_	-	_	-:	2 20	3 50	30		-	-	- 7	-	-		-	- 1
E SE	.09 01 66	-	- 1	-	-	-:	- 1	1.	- 1	- 1	87	55	34	_		*	-	-	-	- 1		-3
YEARS,-1878	50 to 55.	-		).	-	- ;			-	- 1	8	45	40	-		-		-	- 1		-	-
	45 to 50.		1	- 1	- 1	1	1	1	1	-1	103	50	53		1		i	1	-	- 1		-
0.0	40 to 45,		1	1	-	1	- 1	1	- 1	1	107	20	53		1	1	1	:	1		1	1
PERIODS OF	35 to 40.	-	-	1	1	1	1	1	1	1	131	60	11	-	1	-	-	3	-	-	-	
ERIC	.66 to 35.	1	- 1	1	1	1	1	1	- 1	1	156	258	98	01	G4	- :	+	- 1	1	:		
	.08 of dg	-	1	~	1	-	1	1	-	i	916	18	138	1	1	1	1	1	1	1	- 1	1
8 13	20 to 25.	-	1	1	+	-	1	1	-	1	231	88	143	-	1	=	1	-	-	1	-	
AGES IN	15 to 20,	-:	!	1	1	1	:	1	-	1	139	933	100	01	1	04	;	-	1	;	1	3
4	10 to 15.	-	:	:	1	:	1	1	;	1	-	00	333	*	-	90	-	:	- :	:	:	#
1	'nt 01 g	-	-	:	1	- 1	1	:	1	1	16	00	00	9	-	Q	- 1	1	- 4	-1	4 :	-
1	Under,5.	00	-	O\$	-	7	01	21	1	1	75	37	85	173	96	77	1	-	-	1	-	88
	CAUSES OF DEATH.	Colic, Billous			Colic, Painters	Colle			Constipation		Consumption		***************************************	Convulsions, (See Fils)	Convulsions, (See Fits)	Convulsions, (See Fils)	Cough			Craniotomy	Corn on Foot	Croup, Membranous.
-	1	4	-	00	0	9	-	01	0	,		-	9	-			Ö	-	-	0	0	6 02
	1873.				- 1					1	1417	671	776	156	89	67	-	;	. 1	1	1	
	.4781	64	-	-	-	10	04	00	1	i	1392	656	736	1	77	67	1		1	-	-	10
RB.	1875.	10	0	-	-	8	*	7	-	-	1479	708	171	164	77	87	1	:	-	-	1	=
YEARS.	1816.	10	*	1	1	9	00	04	1	1	1590	700	800	183	98	87	1	1	-	1	1	21
1	.7781	-	4	00	-	4	01	01	-	-	1991	726	938	991	101	19	9	20	01	-	i	9
	_	-	00	4	-	4	01	01	-			729 7	912	193	103	90	01	1	-	-	-	37
_	,8781		-							1	1641	_							_	-	_	-
	Unknown.	- 1	-	-	:	1	4	-	:	- ;	-	-	80	-	-	-	-	-	-	*	-	0
	December.	-	7	:	**	-	-	:	.:	:	149	99	88	6	13	=	-	1	- 1	1	-	-
	November.	01	1	01	:	1	+	:	:	1	=	29	7	13	00	9	2	-	-	4	1	-
		-	-	1	1	-	-	-	:	-	7	23	89	13	1	00	*	- 57		1	1	7
1	October.		-		-	1	3	1	1	1	43	199	11	18	10	9	17	1	1	:	100	ō
81.8	September.	01	-	-	1	1	1	1		1	42	64	18	00	19	=	-	1	-	-	- 0	7
NTHS, 1578.	August	-	1	-	-	1	1	+		1	17	611	833	21	00	-	1	1	-	1	1 1	
TH	July.		1	-		-	-	-	- 20	- 4	1 0	8	7	9	80	-	-	1	-	-	3 -	
MON	June.	-	-	1	-	-	3	-	-	3	112	9	-		-	-00	-		-:-	-	1	
N	May.		-	- 2	1	4	1	-	-		2	2	0	2				1	1	-	-	-
1	April.	-1	;	1	-	-	-				Ž.	B	3					Į.	1	-	- 1	-
	March.	:	3	-	1	2															4	
	February.	12	3	20	- 6																	
	January.	-	1	Ŧ																		
	- Sening L	-																				
	SEX.	181																				

	-						-		-	-						3	- 50	-		300	10.4
17:17	-	- ;	-	1	+	-	1	01	70	_	10	-	;	1	1	-	7		-	-	-
1 1 1 1 1	-	1	1	+	1	:	1	1 10	-	-	v	-	;	1	1	-	-	-	7	1	1
	1.	-		-		-	-	= 1	-	-	-	1	-	-	3	*	-		_		_
3 1 1 1 1	- 6.		:	1.	61	-	-	13	-	-0	-	-	1	1	1	-	1	1	1	- :	:
11111	-		1	1				5 16	-	-	-		1	-	1	1	1	-	-	-	:
1 1 1 1 7	-	-	-	1	-	-	-	-	-	_	-	-	1	1	1	-	1	1	1	1	1
1 1 1 1 1	-	-	-	1	-	-	1	~	-	_	1	_	1	3	1	1	1	-	-	1	-
1 1 1 1 -	-	-	1	-	1	-	-1	Q4	104	-	-	_	1	-	1	-	:	-	-	1	1
11111	1	1	1	1	1	1	k	**	-	1	1	_	1	1	1	1	1	1	1	1	
11111	1	1	1	1	1	-	1	-	-	-	1	-	1	1	1	1	1	1	-	-	1
11111	1	1	-1	1	1	1	1			1		-		:	:	1	:	3	1	-1	1
	1	-	1	1	1	-	1	10	-	01	-	-		-	1	-	-	-	•	-	
11111	-	1	1	1	1	1	1				1	1	-	1	1	1			1	-1	:
11111	i	1	1	1	1	1	1		1	-	-	04	:	1	1	1	1	1	1	:	
11111	1	1		1	1	1	1	-	-	1	1	-		1	1	1		1	:	-	
11111	-	1	:	1	- 1	- 1	1	04		01	1	- 1	:	1	1	:	:	:	1	1	
- 1 1 1 9	-	10	1	1	1	1	1	-	:	:	:	1	7	:	1	1	1		1		-
- 00 1 1 23	13	10	-1	1	1	1	1	1	1	7.	:	1	1	1	1	1	1	1	1	1	1
18 1 19 19	97	20	-	:	-	:	-	49	98	00	:	:	:	:	1	1	1	1	_	:	1
117				1		1			-	-	:	1	1	1	1	13	1	1	;	1	1
Croup, Spasmodic.	1	1	-	1	us.			1	1	1	1	ens		Dementia, Chronic		Dementia, Epileptic	Dementia, Melanch'lia	Paralytic		1	1
por	1	1		3	OA	- 02		1		3		B	=	ro	3	fle	neh	E	=	1	
8 -	- 1		89	1	fer	-	=	1				L're		S		E	ela	Pa		- 1	
, ads	1		8		Z.			1	1	1	3	n		in,		in,	M.	la,		=	-
· ·			osi		ity			ity				in		nt		nt	the	int	-	nt	
ino		2	Cyanosis	=	Dil	=	=	Debility	:	=	-	H.	=	me	=	me	nen	me	-	Dementia	
			5		e			De.				96		9		96	9	e		9	
" Group	9	3	0		H			-		-	-	-	- 7-	-		-	9	0			
1 Cr 1 1 Cr 1 1 1 Cr 1 1 1 Cr 1 1 1 Cr 1 1 1 Cr 1 1 1 Cr 1 1 1 Cr 1 1 1 Cr 1 1 1 1	95	69	0	1	2 Debility, Nervous.	1	64	184	16	98	-	15 Delirium Tremens	-	1	01	1	B	1 Dementla,	-	-	I
164	_		1 0	1	62	1	1 2	184	16 68	72 86	- 1	5 15 I	1 1	1 E	01	1	d	1 1 1	91	2	1
6 6 1 130 164	65 95	69 99	1	- 1		3 1	1 1 2	171 184	68	77	1 1	20	- 1 1	1	C1	1	d		G1	-	1 1
2 4 2 1 1 156 130 164	93 65 95	63 65 69	1	1		1 8 1	1 1	164 171 184	66 06	73 72	1 1	-3	1 1 1	1	01	1	1 D	1	61	-	- 1 1-
12 2 4 1 12 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	96 93 65 95	61 63 65 69	1			1 8 1	1 1 2	155 164 171 184	68 06 16	64 73 72	1 1	5 11 5	1 1 1	1	-	1	1 D	3 1	1	01	- 1 1-
2 4 2 1 1 156 184 184	93 65 95	63 65 69	8 1	01		4 1 8 1	1 1	164 171 184	66 06	73 72	1 1	20	1 1 1	1		1	d 1 D	3 1	1	-	1 1
12 2 4 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	96 93 65 95	61 63 65 69	1 3 1 0			2 4 1 3 1	1 1	155 164 171 184	68 06 16	64 73 72		5 11 5	1 1 1	1	01	1		3 1	1 1 10	01	1
10 9 9 6 6 6 9 12 2 4 1 145 157 156 130 164	85 96 93 65 95	60 61 63 65 69	- 1 8 1 C			9 4 1 8 1	3 2 1 1	150 155 164 171 184	83 91 90 89	67 64 73 72		1 5 11 5		1	01	1		80	01	01	1
17   9   12   2   4	114 85 96 93 65 95	85 00 61 63 65 69	8 1	01	4 60	2 4 1 3 1	2 3 2 1 1	123 150 155 164 171 184	83 91 90 89	55 67 64 73 72	1 1	8 1 5 11 5		1	61	1		50 00 11	04	01	
8 . 17 9 12 2 4	17 114 85 96 93 65 95	85 60 61 63 65 69	8 1	01	4 60	2 4 1 3 1	2 3 2 1 1	1 123 150 155 164 171 184	68 83 91 90 99	55 67 64 73 72		8 1 5 11 5		1	61	1		50 00 11	1 2	01	
8 6 17 9 12 2 4	24 17 114 85 96 93 65 95	19 85 60 61 63 65 69	8 1	01	4 60	1 2 4 1 3 1	2 3 2 1 1	14 1 123 150 155 164 171 184	68 83 91 90 99	55 67 64 73 72		1 8 1 5 11 5		1	61	1		50 00 11	Q1	01	
3 3 6 - 20 10 9 8 6 6 1 1 1 2 2 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1	12 24 17 114 85 96 93 65 95	12 19 85 60 61 63 65 69	8 1	01	03 4 00 1-	1 2 4 1 3 1	2 3 2 1 1	18 13 14 1 123 150 155 164 171 184	68 83 91 90 99	7 9 6 1 55 67 64 73 72	1 1	1 1 8 1 5 11 5		1	C1	1		50 00 11	64	01	
1 8 8 8 6 8 10 10 10 10 10 10 10 10 10 10 10 10 10	24 17 114 85 96 93 65 95	5 11 12 19 85 60 61 63 65 69	8 1	01	03 4 00 1-	1 2 4 1 3 1	2 3 2 1 1	17 18 13 14 1 123 150 155 164 171 184	68 83 91 90 99	55 67 64 73 72		1 1 1 8 1 5 11 5		1	61	1		50 00 11	9	01	
2 2 1 4 3 . 17 9 12 2 4	12 24 17 114 85 96 93 65 95	11 12 19 85 60 61 63 65 69	8 1	01	03 4 00 1-	1 2 4 1 8 1	2 3 2 1 1	11 17 18 13 14 1 123 150 155 164 171 184	68 83 91 90 99	7 10 7 9 6 1 55 67 64 73 72	1 1	1 1 1 8 1 5 11 5	1 1 1 1 1 1	1	01	1		50 00 11	64	01	
1 6 18 23 86 38 . 179 145 157 136 130 184	12 24 17 114 85 96 93 65 95	7 2 5 11 12 19 85 60 61 63 65 69	8 1	01	03 4 00 1-		2 3 2 1 1	10 11 17 18 13 14 1 123 150 155 164 171 184	68 83 91 90 99	3 7 10 7 9 6 1 56 67 64 73 72		1 1 1 8 1 5 11 5		1	CI .	1		50 00 11	Q4	01	
7 11 6 18 23 86 38. 179 145 157 136 130 184	4 4 4 13 12 24 17 114 85 96 93 65 95	3 7 2 5 11 12 19 85 60 61 63 65 69	8 1	01	03 4 00 1-		2 3 2 1 1	8 10 11 17 18 13 14 1 123 150 155 164 171 184	6 7 4 7 11 4 8 68 83 91 90 99	2 3 7 10 7 9 6 1 55 67 64 73 72	1 1 1	1 1 1 8 1 5 11 5	1 1 1 1 1 1 1	1	61	1		50 00 11	64	01	
1 1 2 1 4 3 1 17 9 12 2 4	12 24 17 114 85 96 93 65 95	7 2 5 11 12 19 85 60 61 63 65 69	8 1	01	03 4 00 1-	1 3 1 3 1	2 3 2 1 1	10 11 17 18 13 14 1 123 150 155 164 171 184	68 83 91 90 99	3 7 10 7 9 6 1 56 67 64 73 72	1 1 1	1 1 1 8 1 5 11 5	1 1 1 1 1 1	1	61	1		50 00 11	G4	01	
7 11 6 18 23 86 38. 179 145 157 136 130 184	4 4 4 13 12 24 17 114 85 96 93 65 95	3 7 2 5 11 12 19 85 60 61 63 65 69	8 1	01	03 4 00 1-		2 3 2 1 1	8 10 11 17 18 13 14 1 123 150 155 164 171 184	6 7 4 7 11 4 8 68 83 91 90 99	2 3 7 10 7 9 6 1 55 67 64 73 72	1 1 1	1 1 1 8 1 5 11 5	1 1 1 1 1	1	61	1		50 00 11	64	01	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6 4 4 4 13 19 24 17 114 85 96 93 65 95	5 3 7 2 5 11 12 19 85 60 61 63 65 69	8 1	01	03 4 00 1-	1 3 1 3 1	2 3 2 1 1	8 8 10 11 17 18 13 14 1 123 150 155 164 171 184	6 7 4 7 11 4 8 68 83 91 90 99	3 2 3 7 10 7 9 6 1 55 67 64 73 72	1 1 1	1 1 1 8 1 5 11 5	1 1 1	1	61	1		50 00 11	3	01	
1	11 6 4 4 4 13 12 24 17 114 85 96 93 65 95	3 2 5 3 7 2 5 11 12 19 85 60 61 63 65 69	8 1	01	03 4 00 1-		2 3 2 1 1	6 8 8 10 11 17 18 13 14 1 123 150 155 164 171 184	6 7 4 7 11 4 8 68 83 91 90 99	2 3 2 3 7 10 7 9 6 1 55 67 64 73 72	I 1 1 1	1 1 1 8 1 5 11 5	1 1 1 1 1		68	1		50	G1	01	
2 2 1	4 6 11 6 4 4 4 13 12 24 17 114 85 96 93 65 95	5 3 2 5 3 7 2 5 11 12 19 85 60 61 63 65 69	8 1	01	03 4 00 1-	1 1 2 4 1 8 1	2 3 2 1 1	4 10 6 8 8 10 11 17 18 13 14 1 123 150 155 164 171 184	3 7 4 5 6 7 4 7 11 4 8 68 83 91 90 99	1 8 2 8 2 3 7 10 7 9 6 1 55 67 64 73 72		1 1 1 8 1 5 11 5	1 1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	1	61	1		50 50	Q4	01	
3 2 2 1 1 1 1 2 2 1 4 3 17 7 11 6 18 23 36 38 1. 199 145 157 136 139 164	9 4 6 11 6 4 4 4 13 12 24 17 114 85 96 93 65 95	11 5 3 2 5 3 7 2 5 11 12 19 85 60 61 63 65 69		01	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	62 63	3 4 10 6 8 8 10 11 17 18 13 14 1 123 150 155 164 171 184	7 4 5 6 7 4 7 11 4 8 68 83 91 90 99	1 1 3 2 3 2 3 7 10 7 9 6 1 55 67 64 73 72		1 1 1 8 1 5 11 5	1 - 1 - 1					50 50		54	
3 2 2 1 1 1 1 2 2 1 4 3 17 7 11 6 18 23 36 38 1. 179 145 157 136 139 164	9 4 6 11 6 4 4 4 13 12 24 17 114 85 96 93 65 95	11 5 3 2 5 3 7 2 5 11 12 19 85 60 61 63 65 69		01	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	62 63	3 4 10 6 8 8 10 11 17 18 13 14 1 123 150 155 164 171 184	2 3 7 4 5 6 7 4 7 11 4 8 68 83 91 90 99	1 1 3 2 3 2 3 7 10 7 9 6 1 55 67 64 73 72	wh 1 1	1 3 1 1 1 8 1 5 11 5	B 1 1 1 1 1					50 50		54	
3 2 2 1 1 1 1 2 2 1 4 3 17 7 11 6 18 23 36 38 1. 199 145 157 136 139 164	9 4 6 11 6 4 4 4 13 12 24 17 114 85 96 93 65 95	11 5 3 2 5 3 7 2 5 11 12 19 85 60 61 63 65 69		01	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	62 63	3 4 10 6 8 8 10 11 17 18 13 14 1 123 150 155 164 171 184	2 3 7 4 5 6 7 4 7 11 4 8 68 83 91 90 99	1 1 3 2 3 2 3 7 10 7 9 6 1 55 67 64 73 72	nown	1 3 1 1 1 8 1 5 11 5	ales 1 1 1 1					50 50		54	
2 2 1	9 4 6 11 6 4 4 4 13 12 24 17 114 85 96 93 65 95	5 3 2 5 3 7 2 5 11 12 19 85 60 61 63 65 69		01	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Males 1 1 2 4 1 3 1	2 3 2 1 1	4 10 6 8 8 10 11 17 18 13 14 1 123 150 155 164 171 184	3 7 4 5 6 7 4 7 11 4 8 68 83 91 90 99	1 8 2 8 2 3 7 10 7 9 6 1 55 67 64 73 72	Unknown	1 1 1 8 1 5 11 5	remailes 1 1 1 1					50 50		54	

		۰
-	,	5
	8	S
	r	Dealer.
	S	а
	S	a
	3	۵
		٦
	c	
	9	3
	×	9
	Б	8
	к	9
	ĸ	9
	r	я
	E	704111
п	2	5
	٩	ď
м		
и	Ŕ	3
	n	á
1	e	200120000
	P	n
	e	s
	c	S
	B	s
в		ы
•		я
		ı
		ч
	6	THE PARTY
	•	н
	Н	а
	3	3
	•	5
	e.	9
	н	4
	3	۹
	2	•
	в	a
200	g	a
æ	8	5
•	ı	4
	١	ı
	и	
N.	d	9
	=	9
9	=	8
4777	s	۰
ь	•	
4	7	S
	ú	ı
P	V	٥
10	Ė	a
1	d	1
-	ĕ	a
100		
	•	a
3	Š	į
7 1	5	
FRIA TOT 1		į

C. 24			-	-		-								100	-						
1	Unknown.	1 1	7	-	-	- 1	:	- :	-	:	- 1	-:		1 6	9	-	- 3		-		1
114	.08 of 67 .10 vo bin 08	1 :	04	-	-	4		-	4	-	-			-	1	-	- 1	-			-
gd .	70 to 75.	1 3	-	10	- 1	:	:	-		-	-		-	-	-	-:	- 1	-	-		
18	65 10 70.	1 3	-	1	1	-	-	:		-	:	-	1		:	-	-		-	=	24 1
1 4	60 to 65.	1	-		-	H	-			-	-		-	-	-	-					1
AR	55 to 60.	1 1	4	04	-	-	1	-	-	-	:	-		00	-	01	-				-
YEARS-1878	.66 of 06.	1 :	99	01	-	1	1	1	:	-	:	-	1	- 00	04	-	:				1
40	45 to 50.	1 :	-	-	1	63	64	1	;	-	-	:	:	00	03	-	:		:	-	1
1 10	40 to 45.	1 4	1		:	- ;	-:	1	. :	-	-;	:		-	3	-		- ;	- 1		+
PERIODS	85 to 40.	1 :	-	-	- 1	1	-	1	- 3	- 1	:		- ;	-	:	-	- 2		- :		-
Man and and and and and and and and and a	50 to 35.	1	1	1	1	;	-	:	- 1	- ;	1	:	-	4	04	24	1	-	- 1	- 7	-
12	25 to 30.	1 :	- 64	01	-	- 1	- 1	:	:	-	-	-		0	01	6 3	-	-	-	-	-
10	20 10 22	1 :	12	-	-		-	-	-	01	-	-	-	1 10	13	_	-:	-	-	- 1	-
AGES	15 to 20,		10	04	80	-	*					-	-	5	65 1	66 28		- 1		- 4	-
1	10 to 15.	1 ;				- 1	:	- 1	- 1	_:	1	- 1	1.1	131	_	-	- :	-	- 1	:	
23	21010		-	-	C1	70		:	-	7	01	01	- 1	300	180	170	-	1	-	-	90
	Under 5.	1	01	1	-	79	99	1	-	149	74	76	-	366	167	199	-	-	1	¢,	80
	CAUSES OF DEATH.	Disbetes Mellitus	Diabetes	the second second second	***************************************	Diarrhen, Chronic	"" " ""			Diarrhen	manufacture and and and and	"		Diphthoria			Dropsy of Abdomen		Dropsy of Bowels		Dropsy of Brain
	. zist	-	36	18	32	27	15	*	-	856	180	167	:	217	110	102	2000	9	i	1	70
100	Test	-	12	17	10	35	10	0	27.5	366	208	167	1	213	107	106	-	0	-	-	19
100	1818	20,00	8	36	10	17	17	10	1	226	145	111	1	207	105	103	-	20	-	0	10
YRANG	1836	****	2	12	7	15	=	*	1	280	150	328	04	311	154	107	1	04	24		62
	72257	2000	- 30	8	9	2	72	*	-	300	140	128	-	600	916	204	-	1	24	-	53
	SUST	-	88	22	=	12	30	29	-	161	18	8	1	1887	300	101	1	1	:	*	17,0
	Unknesser.		-	7	1	2	2	-	-	-	- 2	2	2	20.	2	08.	-	-	*	*	-
	December	-	40	96	29	29	22	2	-	0	*	-	7	150	8	19	-	-	*	-	DK .
		-	10	90	-	-	-	-	-	-	40	*	-	_	100	72		-	-	-	P .
	November	2	-		-	:	- 2	3	- 3				- 2	134	_	7	2	=	1	-	
10	Andutrio I	1	2	**	24	-	2	2	-	12	-	-	2	100	99	71	1	-	2	C.S.	-
18	Suprember,	3	20	-09	2	0	*	3	3	25	110	9	3	118	2	3	3	-	-	-	9.6
2	Angest.	2	*	-	-	1	2	2	7	47	22	18	2	2	88	28	2	2	2	-	2
1	1040	- 1	*	91	8	-	1	-	2	2	B	2	10	98	13	2	2	2	-	-	9 -
MON	Parametry	14	1	4	2	-	-	-	2	3	9	3	-	35	10	2	2	4	-	*	50 -
7	1000	3	*	-	3	2		-2	-	*	1 4 3	1 1 1 1 1 1	2	ER 400 88	DE 34 34 16 10	96 35 36 36 38 30	2	3	:	2	E2 -
	April.	2	0	2	3	1	1	E	1	*	7	-	-	\$	*	2	2	7		2	0 -
	dente.	2	-	E				E	2				-	18	8	8	2	=	3	1	-
	EMINING	- 3	8	7	-		0						-		*	8	=	3	1	3	0 0
	- PERMITTY	- 2											-	3	-		=	=	4	3	-
	1882	malde.	Polal.	Udd	10164							i	NAME .	foliati	Name and Address of	Families	Males	Femalos	Mafer	Foundles	Wales

-				-2		- 4.	-			- 10			-					01	-	-	-	-		-	-	
3	-	+	1	-	-	64	01	-	-		*	1	-	1	1	+	1	91	-	6	1		-	1	-	-
-	1	1	4	-	-	=	0	04	1	:	-	- 10		1	-	1	i	17	4	133	-	1	-	1	-	-
-	CH	-	-	- 1	-	30	*	4	1	-	-	1	1.	1	1	1	1	22	00	00	1	1	1			
1	1	.:	- 1	-	7	60	- 1	00	1	1	:	4	- ;	:	;	1	1	00	10	13	:	:	- 1	-1	1	1
1	-	1	4	÷	- ;	10	10	10	-1	1	1	- 1	-	1	:	1	- ;	83	10	133	-	1	1	01	01	1
1	7.	- :	1	- ;	1	-	00	*	1	-:	1	1	1	:	- 1	- 1	- 1	16	7	04	1	1	-1	- ;	- 1.	
	01	1	0.0	-	1	10	*	-	- 1	1	:	7	- 1	1	1	:	-	18	10	00	:	-	:	-	-	1
I	-	*		-	-	5 6	01	4	-	- 1	-	1	- 1	-	:	1	1	8 17	-	10	53	-	-	04	04	-
1	-	-	- 1	-	-	60	01	-	-	-	- 1	1		-1	-	;	-		10	9	00	00	-	9	8	-
-	7	1	1	-	- 1	00	-	01	-		-	-	:	-	1	1	:	= =	4	1-	-	,	-	-	-	+
-	-	:	-	-	-	Q4	-	H	-	:	-	:	:	:	:	-	-	21	69	0	00	04	-	00	1	-
1	1	1	1	-	1	50	-	01	1	:		:	-	1	:	:	-	90	04	9	10	-	-	10	10	:
-	1	-	- 1	1	1	-	-	;	1	1	Y	1	1	:	:	:	1	00	10	60	01	-	-	17	10	-
-	1	1	-	1	:	-	-	1	. ;	1		1	1	1	!	:	1	4	-	20	10	60	01	=	=	1
01	1	-	:	:	:	:	1	:	1	:	1	1	-	:	1	1	1	=	00	00	01	1	1	17	15	01
2	-	E	1	1	1	10	00	01	1	*!	1	1	-	1	1	1	1	100	12	6	1	1	1	22	1	10
1	1	4	:	1	1	:	:	. :	1	1	:	-	1	1	1	1	1	1	-	1	1	1	1	:		1
Brain	Jhest	"	,	neral	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	of Heart		*	of Kidneys		.imbs		Liver		Spine	" "	erine	Dropsy (Unspecified)			Drowning, Accidental					
30 Dropsy of Brain	sy of	7 2		Dropsy, General		sy of I			sy of I	3	Dropsy of Limbs	=	Dropsy of Liver		Dropsy of Spine	=	Dropsy, Uterine	sy (Ur			vning.			Drowning.		
Dro	Drop		•	_	*	Dropsy	*		Dropsy	*		•	Drop	*	Drop	•	Drop	Drop	-	-				_		
30 Dro	18 Dropsy of Chest	00	10	2 Drop	1	69 Drop	30	68	Droi	-	2 Drop	-	Drop		Drop		Drop	243 Drop	112 "	131	16 Drov	16	-	91 Drov	83	00
27 30 Dro	7 18 Drop			_	01				1 Droj	1			Drop	=	Drop		Drop	226 243 Drop				21 16		_	84 83	11 8
-	18 7 18 Drop	00	10	_	1	69	30	68	1 1 Droj	1		1	Drop		Drop		Drop	243	112	131	16		*	91	-	12 11 8
-	-	00	5 10	_	1	71 69	30 30	41 39	1 1 1 Droj	, 1			Drop		Drop		Drop	926 943	104 112	122 131	21 16	151	9	95 91	18	=
-	-	00	9 5 10	_	1	68 71 69	36 30 30	32 41 39	1 1 1 1 Droj	, 1			Drop	- 01	1 Drops	61	1 Drop	215 226 243	105 104 112	110 122 131	17 21 16	13 21	1 6 4	91 95 91	79 84	12 11
-	-	00	3 9 5 10	_	1	51 68 71 69	32 36 30 30	19 32 41 39	1 1 1 1 Droj	1			1 Drop				1 Drop	226 215 226 243	101 105 104 112	125 110 122 131	80 17 21 16	94 13 21	8 1 6	142 91 95 91	79 84	18 12 11
-	-	00	5 8 9 5 10	_	1 1 20	59 51 68 71 69	23 32 36 30 30	29 19 32 41 39	1 1 1 1 Droj				1 Drop					224 226 215 226 243	114 98 101 105 104 112	126 125 110 122 131	16 30 17 21 16	15 24 13 21	20 11 20 11	87 142 91 95 91	77 124 79 84	10 18 12 11
-	-	00	5 8 9 5 10	_	1 1 20	75 59 51 68 71 69	23 32 36 30 30	29 19 32 41 39	1 1 1 1 Droj	1 1 1			1 Drop				1 Drop	249 224 226 215 226 243	98 101 105 104 112	126 125 110 122 131	16 30 17 21 16	15 24 13 21	1 8 1 6 4	92 87 142 91 95 91	83 77 124 79 84	10 18 12 11
-	-	00	5 8 9 5 10	_	1 1 20	6 75 59 51 68 71 69	23 32 36 30 30	- 34 29 19 32 41 39	1 1 1 1 Droj	1		,	1 Drop				1 Drop	28 249 224 226 215 226 243	14 114 98 101 105 104 112	14 135 126 125 110 122 131	25 16 30 17 21 16	15 24 13 21	:	1 92 87 142 91 95 91	5 1 83 77 124 79 84	10 18 12 11
-	7 18 7 19 7	00	5 8 9 5 10	_	1 1 20	7 6 - 75 59 51 68 71 69	6 4 41 23 32 38 30 30	2 34 29 19 32 41 39					1 Drop					25 28 249 224 226 215 226 243	12 14 114 98 101 105 104 112	13 14 135 126 125 110 122 131	4 2 25 16 30 17 21 16	15 24 13 21	1	3 5 1 92 87 142 91 95 91	1 83 77 124 79 84	10 18 12 11
-	-	00	5 8 9 5 10	_	1 1 20	6 75 59 51 68 71 69	4 41 23 32 36 30 30	4 1 2 34 29 19 32 41 39	1 1 1 1 Droj				1				1 Drop	19 25 28 249 224 226 215 226 243	5 12 14 114 98 101 105 104 112	14 13 14 135 126 125 110 122 131	2 4 2 25 16 30 17 21 16	4 1 17 15 24 13 21	:	6 3 6 1 92 87 142 91 95 91	4 8 5 1 88 77 124 79 84	1 9 10 18 12 11
-	7 18 7 19 7	00	5 8 9 5 10	_	1 1 20	7 6 - 75 59 51 68 71 69	6 4 41 23 32 38 30 30	2 34 29 19 32 41 39					1 1 Drop				1 Drop	93 19 25 28 249 224 226 215 226 243	12 14 114 98 101 105 104 112	12 14 13 14 135 126 125 110 122 131	4 2 25 16 30 17 21 16	15 24 13 21	1	3 5 1 92 87 142 91 95 91	5 1 83 77 124 79 84	10 18 12 11
-	7 18 7 19 7	00	5 8 9 5 10	_	1 1 20	8 6 6 7 6 75 52 51 68 71 69	8 1 2 6 4 41 23 32 36 30 30	5 5 4 1 2 34 29 19 32 41 39					1				1 Drop	29 23 19 25 28 249 224 226 215 226 243	19 11 5 12 14 114 98 101 105 104 112	10 12 14 13 14 135 126 125 110 122 131	4 2 2 4 2 25 16 30 17 21 16	3 2 4 1 17 15 24 13 21	1 2 1	13 10 6 3 6 1 92 87 142 91 95 91	12 9 4 8 5 1 88 77 124 79 84	1 1 1 9 10 18 12 11
4  2  2  3  1    23  26  31  23  27	7 18 7 19 7	00	1 1 8 5 8 9 5 10	_	2 1 1	7 8 6 6 7 6 75 52 51 68 71 69	2 3 1 2 6 4 41 23 32 36 30 30	5 5 5 4 1 2 34 29 19 32 41 39	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	g 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	- 61		61		18 29 23 19 25 28 249 224 226 215 226 243	9 19 11 5 12 14 114 98 101 105 104 112	9 10 12 14 13 14 185 126 125 110 122 131	5 4 2 2 4 2 25 16 30 17 21 16	2 4 1 17 15 24 13 21	6	21 13 10 6 3 6 1 62 87 142 91 95 91	18 12 9 4 8 5 1 83 77 124 79 84	8 1 1 1 9 10 18 12 11
4  2  2  3  1    23  26  31  23  27	1 2 4 10 7 18 7		1 1 8 5 8 9 5 10	_	2 1 1	2 7 8 6 6 7 6 75 52 51 68 71 69	1 2 3 1 2 6 4 41 23 32 36 30 30	1 5 5 5 4 1 2 34 29 19 32 41 39		-11111	2 1 2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	- 61	1	61	1	18 29 23 19 25 28 249 224 226 215 226 243	9 9 19 11 5 12 14 114 98 101 105 104 112	14 9 10 12 14 13 14 185 126 125 110 122 131	4 2 2 4 2 25 16 30 17 21 16	3 2 4 1 17 15 24 13 21	1 2 1	21 13 10 6 3 6 1 62 87 142 91 95 91	18 12 9 4 8 5 1 83 77 124 79 84	8 1 1 1 9 10 18 12 11
4  2  2  3  1    23  26  31  23  27	7 18 7 18 7 18 7	War and Married 1 6 4 9 2 8	3 5 3 9 5 10	_	2 1 1	6 2 7 8 6 6 7 6 75 52 51 68 71 69	6 1 2 3 1 2 6 4 41 23 32 36 30 30	1 1 5 5 5 4 1 2 34 29 19 32 41 39		1-1	1			-6		01	1	18 29 23 19 25 28 249 224 226 215 226 243	8 9 9 19 11 5 12 14 114 98 101 105 104 112	12 14 9 10 12 14 13 14 185 126 125 110 122 131	2 5 4 2 2 4 2 25 16 30 17 21 16	1 2 8 2 4 1 17 15 24 13 21	1 2 1	6 10 21 13 10 6 3 6 1 82 87 142 91 95 91	6 10 18 12 9 4 8 5 1 88 77 124 79 84	8 1 1 1 9 10 18 12 11
4  2  2  3  1    23  26  31  23  27	7 18 1 2 4 10 7 18 7	8 2 8 4 9 2 8	3 5 8 9 5 10	_	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9 6 2 7 8 6 6 7 6 75 52 51 68 71 69	6 6 1 2 3 1 2 6 4 41 23 32 36 30 30	3 1 1 5 5 5 4 1 2 34 29 19 32 41 39	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11111	g	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		- 64		61	1	18 29 23 19 25 28 249 224 226 215 226 243	8 8 9 9 19 11 5 12 14 114 98 101 105 104 112	9 12 14 9 10 12 14 13 14 135 126 125 110 122 131	2 2 5 4 2 2 4 2 25 16 30 17 21 16	2 1 2 3 2 4 1 17 15 24 13 21	1 2 1	8 6 10 21 13 10 6 3 6 1 92 87 142 91 95 91	7 6 10 18 12 9 4 8 5 1 88 77 124 79 84	8 1 1 1 9 10 18 12 11
-	7 18 7 18 7 18 7	A 2 2 8 4 9 2 8	3 5 3 9 5 10	_	2 1 1	9 9 6 2 7 8 6 6 7 6 75 59 51 68 71 69	5 6 5 1 2 3 1 2 6 4 41 23 32 36 30 30	4 3 1 1 5 5 6 4 1 2 34 29 19 32 41 39		11111	2 1 1 1			- 64		61		18 29 23 19 25 28 249 224 226 215 226 243	6 8 8 9 9 19 11 5 12 14 114 98 101 105 104 112	9 12 14 9 10 12 14 13 14 135 126 125 110 122 131	1 2 2 5 4 2 2 4 2 25 16 30 17 21 16	1 2 1 2 3 2 4 1 17 15 24 13 21	1 2 1	7 8 6 10 21 13 10 6 3 6 1 92 87 142 91 95 91	5 7 6 10 18 12 9 4 8 5 1 88 77 124 79 84	8 1 1 1 9 10 18 12 11
4  2  2  3  1    23  26  31  23  27	7 18 1 2 4 10 7 18 7	8 2 8 4 9 2 8	1 1 1 8 5 8 9 5 10		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	69 9 6 2 7 8 6 6 7 6 75 59 51 68 71 69	3 5 6 5 1 2 3 1 2 6 4 41 23 32 36 30 30	2 4 3 1 1 5 5 5 4 1 2 34 29 19 32 41 39		11111	g 1			6		6		18 29 23 19 25 28 249 224 226 215 226 243	7 6 8 8 9 9 19 11 5 12 14 114 98 101 105 104 112	9 12 14 9 10 12 14 13 14 135 126 125 110 122 131	1 2 2 5 4 2 2 4 2 25 16 30 17 21 16	1 2 1 2 3 2 4 1 17 15 24 13 21	1 2 1	2 7 8 6 10 21 13 10 6 3 6 1 92 87 142 91 95 91	5 7 6 10 18 12 9 4 8 5 1 88 77 124 79 84	8 1 1 1 9 10 18 12 11
4  2  2  3  1    23  26  31  23  27	7 18 1 2 4 10 7 18 7	A 2 2 8 4 9 2 8	1 1 1 8 5 8 9 5 10		2 1 1 1	4 6 9 9 6 2 7 8 6 6 7 6 75 52 51 68 71 69	8 8 5 6 5 1 2 8 1 2 6 4 41 23 32 36 30 30	2 4 3 1 1 5 5 5 4 1 2 34 29 19 32 41 39		11111	g 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		64		6		18 29 23 19 25 28 249 224 226 215 226 243	6 7 6 8 8 9 9 19 11 5 12 14 114 98 101 105 104 112	8 7 13 9 12 14 9 10 12 14 13 14 135 126 125 110 122 131	1 2 2 5 4 2 2 4 2 25 16 30 17 21 16	1 2 1 2 3 2 4 1 17 15 24 13 21	1 3 1 9 1	1 2 7 8 6 10 21 13 10 6 3 5 1 92 87 142 91 95 91	5 7 6 10 18 12 9 4 8 5 1 88 77 124 79 84	8 1 1 1 9 10 18 12 11
4   2   2   3   1     25   26   31   23   27	7 18 1 2 4 10 7 18 7	A 2 2 8 4 9 2 8	3 5 8 9 5 10		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	69 9 6 2 7 8 6 6 7 6 75 59 51 68 71 69	3 5 6 5 1 2 3 1 2 6 4 41 23 32 36 30 30	4 3 1 1 5 5 6 4 1 2 34 29 19 32 41 39		1-1	2 1 1 1			6		61		29 23 19 25 28 249 224 226 215 226 243	7 6 8 8 9 9 19 11 5 12 14 114 98 101 105 104 112	9 12 14 9 10 12 14 13 14 135 126 125 110 122 131	2 2 5 4 2 2 4 2 25 16 30 17 21 16	1 2 1 2 3 2 4 1 17 15 24 13 21	1 2 1	2 7 8 6 10 21 13 10 6 3 6 1 92 87 142 91 95 91	7 6 10 18 12 9 4 8 5 1 88 77 124 79 84	8 1 1 1 9 10 18 12 11

TABLE XVII.—Continued.—Specified Causes of Death.

				ĭ	MONTHS, 1878.	118	<u>~</u>	878.				_			YEARS	LES.						đ	Ĩ	AGES IN	<b>=</b>	PERIODS OF TEARS.—1878.	RIC	0	õ	-	i	4	إ	ź	ň	
SEX.	January.	Г Ребтивту.	.litidA	May.	'aun	Jaly.	August,	September.	October.	November.	December.	Unknown, I	1878.	,7781	.978f	1875.	1874.	1873.	CAUSES OF DEATH.	Under 5.	.01 01 0	10 to 15.	102 01 01	20 to 25.	.08 of ds	.68 os os 1	9) 01 98	40 10 42	45 to 50.	1 20 to 22.	'09 03 90 1	60 to 65.	1 65 to 70.	.87 03 07	.08 os er	1970 bna 08
Males		:	- 1	- 1		1	н	- 1	- 1	1	:	- 1	н	G4	1		-	-	Dysentery, Chronic	-		- ;		-:	1	- 1	-:	- ;	- 1	- 1	- 1	11	- 3	1	1	
Fomales	1	1	- 1			:	. ;	;	-:	- 1	:	÷	:	00	1		1	:	:	1	:	- 3	- 1	- :	- 1	1	1	:	- 1	1	1	- 1	1		- 1	1
Total	:	C#		*	9	50	33	8	23	90	*	7	107	216	195	162	304	319	Dysentery	126	4		1	1	04	-	-	.04	61	7	-		90	60	Q4	10
Males	;	-	21	-	7	6	65	60	00	=		1	8	106	106	77	161	168	•	8	90	-:		:	-	-	1	- 1	~	00	1	:	01	-	01	64
Females	:	-	- 1	.00	04	=	57	91	10	*	4	- 1	13	110	8	3	143	150		28		-:	1	- 1	-	-1	7	01	-	-	74	- 1	-	QI	:	02
Unknown.	;	1	<u>-:</u>			1	:	- ;	- 1	- 1	-	+	i	:	1	1	1			i	:	- 1	- 1	- 1	:	- ;	:	- 1	1	-:	-	1	1		1	:
Total	i	64	61	-	24	-	04	- 1	74	-	-	-	7	9	15	18	16	64	Dyspepsia	-	-:	-	:	61	- :		:	-	00	-	01	- 1	60	-	:	- :
Males	1	24	24	-	_	-	-	:	1	-	-	. 1	00	-	10	13	13	=			- 1	- 4	1	-	- :	- 1	- 1	1	04	:	04	- 1	64	4	1	
Fomales	:	1	-	1.0	D#	- 3	-	;	21	:	÷	-1	9	04	9	49	00	9	•	1	- 1	-	:	-	- 1	:	:	-	-	н	1	1	-		- 1	:
Fomales	i.i.	1	1	- *	-1	;	-1	1	- 1	- 1		÷	i	1	1	1	:	-	Zarache.	1	- 1	- 1	* 1		- 1	- 1	:	- ;	- ;		1	:	:	•	1	:
Males	:	1.	- 1	•	- 1	1	1	:	1	1	÷	$\div$	i	- 1	~	1	1	1	Eating Dried Apples	-		- 1	1	- 1	- :	- 1	1	- 1	- (	- 1	1	1	1	-	1	- :
gemales	1	1	11	- 1	1	1	:	:	:	:	÷	÷	:	-	1	1	1	1	Eczema	1	- 1	- 1	1	1	- 1	1	:	1	- 1	- )	:	- 1	1	· P.	- ;	
Males	;	:	- 1		:	;	- 1	1	:	1	-		1	1	1	-	1	-	Elephantiasis in Limbs	1		:	1	:	-:	- 5.	1	- 1	1	1	1	- 1	-1		:	
Females	1	1	1		1	1	-:	1	- 1	1			:	-	1	1	1	1	Embolism of Brain.	1		1	1	:	- ;	.;	1	- 1	1	- 6	:	-1	1		-	
Males	:	:	-		-1	- ;	- 1		1		÷	1	:	. [	1	1	-	_	Embolism.	1	- 1	- }	1	-1		1		-1	1	1	1		- 1	-	1	-
gemales	1.2	:	- 1	•	1	1	1	- 1	:	- 6	-		+	i	63	64	1	-	*	İ	- 1	1	:	1	- 5	:	1	- 1	1	-1	1	1		-	- 1	1
Females 1		1	1		:	1	:		1	:	,	10	-	-	1	1	1	1	Emphysems.	1	:	1	1	1	:	:	:	1	- 1	-	:	- ;	- 1	Ť	- 1	- 1
Total	:	04	60	-	90	01	70	20	20	00	;	- 1	69	33	31	55	30	23	Epilepsy.	90	-	1		00	-	0	-	04	- 1	-	-	:	-		-	1
Males	1	-	04		01	-	-	*	20	01	+	- 1	16	18	14	17	83	20		-	-00	- 1	- 1	01	OIL	4	:	1			- 1	- 1	-		-	:
Females	_	64	-	-	*	-	64	*		-	-		9	11	17	7	00	13		7	-	- 1	1	-	O.	83	-	(CH	1	. 1	-	- 1	1	-	- 1	:
Males		-	-								-	-3	-	-	:	-	1	1	Eruption on Back	_	_!	_:	_;	-	1		1				- 1					۳,

41																							
4 4	4	1 1	- 3	1	1	1	1		1	1	00	60	1	4	1	-	:	1	4	4	-	30	-
1 1 4	24 m	, -	-	1	1	1	:	1	1	1	1	-	1	-	-		:	-6	1	1	-1	11	-
	* 0	1 01	1	-		1	1	-	1	÷	-	_		-	-	-	-	-	100	_		_	-7.
			_	,	4.	_	_				-	10	1	-	1		-	-	-	1	1	1	
: ; '	- 0	3 44	- 1	1	1	1	1	1	1	1	01	OH.		771	61	24	:	1	-	1	-	:	1
1 1	0 0	3 63	1	-	1	3		1	:	3	-	-	-	01	1	01		1	1	1	1	1	- 1
1 1	4 0	1 01	- 1	-	-:		1	:	:	1	-	-		01		Ol.	-	-		1	1	-	17
	-			_	_	-	_		÷	÷	-	-	- 1	10	-	*	_	-	*	- 1	-	_	11
1 1	-		- 1		-		1	:	-	,			,				1.	1	- 3	i	- 1	1	-
1 1	60 0		-	-	:		-	:	;	1	00	20	4	-	-	-	1	- :		1		1	1
1 1	7 0	9 01	- 1	1	. 1	:	:		:	1	:	1	1	04	01	3	1	1	1	- 5	-	1	:
1 1 1	20 0	0 00	-	1	1	:	1	:	-	1	61	-	-	77	-	60	1	1	-	-	1	1	
_					_		_	_	_		_	-	-		_		_	_	_	1	_		_
			- 1	:	;	1	1	1	1	-	ż	1.	1	O.		-	1	1	1.	1	;	1	1
1 1	G# +		- 1	1	-:		:	:	1	1	C.	-	-	-	-	3	:	- 1	- :	1	:	1	
1 1	-	1 -	1	-		- 1	:	:	1	1	-	-		-		-	1	- 1	:	- 1	1	- ;	1.
11	-		-1	1	1	1	1	:	1	-	9	9	1	91	Ca	,	-	-	-	_	1	:	1
		1	_	_	_	_	_	_	_				1-	-		-1-			_	- 1	-	_	-
: :	00 0	, ;	-1	- 1	- 1	;	1	;	:	1		4	1	4	0.5	GI	;	1	-	1	1	;	-
: :		- :		1	1	1	1	;	1	*	0.1	-	-	60		20	1	1	-:	:	-	- :	-
1 1	-	: -	1	:	1		:	:	-:	*	-	-	:	09	-	-	1	:	1	1	-	-	1
	75 0	2 12	-	18									-	00	10	60	-	-	-	-			-
	94	-	1	1	1	1	1	1	1	1	1	1	1					1	1		-	1	-
-			-		-	-	-		-	-	-	-		-		-		-	-			-	-
1 1	1	1	-	1	1	1	1	13	1	1			:	1	1	1	-	:	1	1	1	1	1
3 3		1			. 3	- 3		3		1	1	1			1	1	1	-	-		1	- 3	
1 1	1	1	1	1	1	1	1	1	1	1	1	3	1	:	1	1	:	:	1	1	1	1	1
1	3	1 1	1	1	4	1		1	1	1	-	1	1	-	1	1	1	1		1	1	1	-
1 1		1 :	1		1	1	1	3	-		1	-	1		-		1		-	- 1			3
es +1	7	1		n		-		1	- 2	:	3	4		1	1	-	1	1	- 1	1	4	31	- 3
0 0			H	386	2	- 1	1	3	-	1	1	- 13		4		-	1		4	- 1	4	400	- 3
E P	1	1	He	010		- 1	:	B	:	1	1	1			1	1	-			-	A		
HE		1	30	Ke			1	=	1		1	1	1	1	1	1	H				118	3	2
			2	2			1.	4	1	4			-	118			E	:	=	:	è	3	8
20 20	4		0	0	=			H			9		-	0	:		2				CE		
A 14																-	23				-		
= =	las		E .	0		0		9	9		Lin	-	-	311	п	-	Jat				Jon		
poli	pelas		sion	sion		Slon		aure	sure.		gTr	*		Billi		-	, Cat				, Con		
sipoli	sipelas	: :	losion	losion	:	losion	:	osure	osure.	,	ing Tr			er, Bill			er, Cat				er, Con	1	
rysipoli	rysipola	: :	xplosion	xplosion		xplosion		xposure	xposure.	,	alling Tre			ever, Bill			ever, Cati	:	2		ever, Con		
Erysipelas in Bowels Erysipelas in Throat	Erysipolas	: :	Explosion of Boller,	Explosion of Kerosene		Explosion	:	Exposure in Army	Exposure.	,	Falling Tree			Fever, Bilious			Fever, Catarrhal		3	*	Fever, Congestive.	- 11	
Erysipol	58 Erysipelas	96		Explosion	-	9 Explosion		1 Exposure	1 Exposure.		29 Falling Tre		=	51 Fever, Bill			I Fever, Cat	:	: "		5 Fever, Con		:
Erysipelas in Bowels			1	Explosion		_		1 Exposure	1 Exposure.	,	29	: 81		51	28 **	- 52	-	-			10	1	
Erysipol		26 96 a	1	Explosion	-	_	1 1 "	1 Exposure	1 1 Exposure.		19 29 Falling Tro		1 "	77 51 Fever, Bill	:		3 1 Fever, Cata		1			-	
Erysipoli			1	Explosion	-	0	1 1 "	1 Exposure	1 1 Exposure.		19 29	: 81	1	51	28 **	- 52	-	-		,	10	1	
I Erysipolt	104		-	1 Explosion		0	. 1 1	1 Exposure	1 Exposure.	, r	29	: 81	1 1	51	28 **	- 52	-	-	1 1 "		10	1	
I Erysipelt	107 104	26	-	1 Explosion		0	. 1 1	1 Exposure	1 Exposure.		19 29	18 29 "	1 1	45 77 51	38 28 **	339 238 **	-	-	" " "	*	10	1	
- I Erysipoli	107 104	26	9	1 Explosion		0		- 1 Exposure	1 1 1 Exposure.		19 29	18 29 "	. 1 1 "	77 51	38 28 **	339 238 **	-	-	" 1 " 1		10	1	
I Erysipelt	107 104	43 48	9	1 Explosion		0		1 Exposure	1 1 Exposure.		22 19 29	21 18 29 "	1 1 "	45 77 51	23 38 28 **	22 89 23 **	-	-	" 1 " 1 "		10	1	1 5
1 Erysipoli	86 107 104	31 43 48	9	1 Explosion		0		1 Exposure	4 1 1 Exposure.		17 22 19 29	17 21 18 29 "	1 1 "	52 45 77 51	23 38 28 **	25 22 39 23 **	-	-	1 1		10	1	0 1
1 Erysipelt	86 107 104	43 48	9	1 Explosion		0	" " " " " "	I Exposure	4 1 1 1 Exposure.		22 19 29	21 18 29 "		45 77 51	27 23 38 28 **	22 89 23 **	-	1 8	1 1	;	7 1 3 5		0 1
1 Erysipelt	68 86 107 104	37 31 43 48	19	Explosion		0		1 Exposure	4 1 1 1		22 17 22 19 29	62 17 21 18 29	8 1 1 8	39 52 45 77 51	18 27 23 38 28 **	21 25 22 39 23 **	-	1 8	1 1 1		7 1 3 5		0 1
1 Erysipelt	68 86 107 104	31 43 48	19	1 Explosion		0		1 Exposure	2 4 1 1 1 Exposure.		17 22 19 29	17 21 18 29 "		52 45 77 51	27 23 38 28 **	25 22 39 23 **	-	3 1 8	1 1 1		2 7 1 3		0 1
	75 68 86 107 104	35 37 31 55 64 56 38 37 31 43 48	9		1	1 11 0			2 4 1 1 1	8 1	25 22 17 22 19 29	92 92 17 21 18 29 "	1 1	39 52 45 77 51	18 18 27 23 38 28 **	26 21 25 22 39 23 **	4 4 1 3 1	3 1 8	1 1 1 1	,	2 2 7 1 3 5	0 0 0 0	3 1 5
	75 68 86 107 104	37 31 55 64 56	9	Explosion	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 11 11 11 10			. 2 4 1 1 1		25 22 17 22 19 29	92 92 17 21 18 29	8 1 1	44 39 52 45 77 51	18 27 23 38 28 **	21 25 22 39 23 **	-	3 1 8	. 1 1		2 2 7 1 3	01	. 1 8 1 6
	75 68 86 107 104	4 37 31 55 64 56 5 38 37 31 43 48	100		1	1 11 0			2 4 1 1 1	8 1	3 25 22 17 22 19 29	8 92 92 17 21 18 29	1 1	39 52 45 77 51	18 18 27 23 38 28 **	1 26 21 25 22 39 23 **	4 4 1 3 1	3 1 8	1 1 1	,	2 2 7 1 3 5	0 0 0 0	1 8 1 5
	13 75 68 86 107 104	37 31 55 64 56	100		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 11 11 11 10			. 2 4 1 1 1	8 1	25 22 17 22 19 29	92 92 17 21 18 29	8 1 1	44 39 52 45 77 51	18 18 27 23 38 28 **	26 21 25 22 39 23 **	4 4 1 3 1	3 1 8	:	_	2 2 7 1 3	01	1 8 1 5
1	11 13 75 68 86 107 104	5 4 37 31 55 64 56 8 37 31 43 48	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 11 11 11 11 11	1 1	I	1 2 4 1 1 1	8 1	8 8 25 22 17 22 19 29	8 8 22 22 17 21 18 29	3 1	44 39 52 45 77 51	1 18 18 27 23 38 28 **	1 26 21 25 22 39 23 **	4 4 1 3 1	3 1 8	-	:	1 2 3	01 01 E :::	3 1 5
	5 11 13 75 68 86 107 104	2 5 4 37 31 55 64 56	9		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1 1	I	1 1 2 4 1 1 1	8 1	3 3 25 22 17 22 19 29	8 8 22 22 22 17 21 18 29	3 1	6 4 2 44 39 52 45 77 51	1 1 18 18 27 23 38 28 "	4 8 1 26 21 25 22 39 23 **	4 4 1 3 1	3 1 8	:	1	1 2 3	01	3 1
1	4 5 11 13 75 68 86 107 104	3 2 6 4 37 31 55 64 56 1 36 1 38 37 31 43 48	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1	I	1 2 4 1 1 1	8 1	1 8 8 25 22 17 22 19 29	8 8 22 22 17 21 18 29	1 3 1 1	4 2 44 39 52 45 77 51	4 2 1 1 18 18 27 23 38 28 **	7 4 3 1 26 21 25 22 39 23 **	4 4 1 3 1	3 1 8	-	:	1 2 3	01 01 E :::	1 1
1	4 5 11 13 75 68 86 107 104	2 5 4 37 31 55 64 56	10		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1 1	I	1 1 2 4 1 1 1	8 1	3 3 25 22 17 22 19 29	8 8 22 22 22 17 21 18 29	3 1	6 4 2 44 39 52 45 77 51	1 1 18 18 27 23 38 28 "	4 8 1 26 21 25 22 39 23 **	4 4 1 3 1	3 1 8	-	1	1 2 3	01	3 1
	4 5 11 13 75 68 86 107 104	3 2 6 4 37 31 55 64 56 1 36 1 38 37 31 43 48	0				1 1 1	I	1 1 2 4 1 1 1	8 1	1 8 8 25 22 17 22 19 29	8 8 22 22 17 21 18 29	1 3 1 1	6 4 2 44 39 52 45 77 51	4 2 1 1 18 18 27 23 38 28 **	7 4 3 1 26 21 25 22 39 23 **	. 1 1 . 4 4 1 1 3 1	3 1 8	-	. 1	1 1 1 3 3 5	01 01 11 11 11 11 11 11 11 11 11 11 11 1	3 1
	4 6 4 5 11 13 75 68 86 107 104	2 2 2 5 4 37 31 55 64 56 14	0				1 1 1	I	. 1 1 2 4 1 1 1	8 1	1 8 8 25 22 17 22 19 29	8 8 22 22 17 21 18 29	1 3 1 1	3 4 11 6 4 2 44 39 52 45 77 51	4 2 1 1 18 18 27 23 38 28 **	2 7 4 3 1 26 21 25 22 39 23 **	1 1 - 4 4 1 3 1	3 1 8	-	1	1 1 3 3 6	01	3 1 1
	2 4 6 4 5 11 13 75 68 86 107 104	2			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9 11 11 11 11 11	1 1 1 1	I		8 1	1 2 1 8 8 25 22 17 22 19 29	1 8 8 22 22 17 21 18 29	2 1 3 1	2 3 4 11 6 4 2 44 89 52 45 77 51	1 2 4 2 1 1 18 18 27 23 38 28 "	1 3 2 7 4 3 1 26 21 25 22 39 23 **		00 01		1	1 1 1 1 1 3 2	01	3 1 1
	2 4 6 4 5 11 13 75 68 86 107 104	2 2 2 5 4 37 31 55 64 56 14					1 1 1	I	1 1 2 4 1 1 1	8 1	1 8 8 25 22 17 22 19 29	8 8 22 22 17 21 18 29	1 3 1 1	3 4 11 6 4 2 44 39 52 45 77 51	4 2 1 1 18 18 27 23 38 28 **	2 7 4 3 1 26 21 25 22 39 23 **	. 1 1 . 4 4 1 1 3 1	3 1 8	-	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 2 2 2 7 1 3 5	01 01 11 11 11 11 11 11 11 11 11 11 11 1	3 1 1
	2 4 6 4 5 11 13 75 68 86 107 104	2	9				T 1 1 1	I			1 2 1 8 8 25 22 17 22 19 29	1 8 8 22 22 17 21 18 29	2 1 3 1 1	2 3 4 11 6 4 2 44 89 52 45 77 51	1 2 4 2 1 1 18 18 27 23 38 28 "	3 1 3 2 7 4 3 1 26 21 25 22 39 23		00 01	:	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 2 2 2 7 1 3 5	01	3 1 1
	9 5 2 4 6 4 5 11 13 75 68 86 107 104	2 2 2 2 2 2 4 3 2 3 3 3 3 4 3 4 5 5 5 6 4 5 5 6 6 5 6 6 6 6 6 6 6 6 6					1 1 1 1	I			4 3 1 2 1 8 8 25 22 17 22 19 29	4 3 1 8 8 92 92 17 21 18 29	2 1 3 1 1	1 5 2 3 4 11 6 4 2 44 39 52 45 77 51	1 2 1 2 4 2 1 1 18 18 27 23 38 28 "	- 3 1 3 2 7 4 3 1 - 26 21 25 22 39 23 **	1	1 3 3 1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 2 2 2 7 1 3 5	01	3 1 1
	9 5 2 4 6 4 5 11 13 75 68 86 107 104	2 2 2 2 2 4 37 31 55 04 56					1 1 1	I			4 4 3 1 2 1 8 3 25 22 17 22 19 29	4 4 8 1 8 8 92 92 17 21 18 29	1 1 1 1	4 1 5 2 3 4 11 6 4 2 44 39 52 45 77 51	4 1 2 1 2 4 2 1 1 18 18 27 23 38 28 "	3 1 3 2 7 4 3 1 26 21 25 22 39 23 **	. 1	00		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 2 2 2 7 1 3 5	01	1 1 1
	9 5 2 4 6 4 5 11 13 75 68 86 107 104	2 2 2 2 2 2 4 3 2 3 3 3 3 4 3 4 5 5 5 6 4 5 5 6 6 5 6 6 6 6 6 6 6 6 6					1 1 1	I			8 4 4 3 - 1 2 1 - 8 3 - 25 22 17 22 19 29	8 4 4 8 1 8 8 92 92 17 21 18 29	2 1 3 1 1	1 5 2 3 4 11 6 4 2 44 39 52 45 77 51	4 1 2 1 2 4 2 1 1 18 18 27 23 38 28 **	2 3 1 3 2 7 4 3 1 26 21 25 22 39 23 **	. 1	00		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 2 2 2 7 1 3 5	01	1 1 1
	9 5 2 4 6 4 5 11 13 75 68 86 107 104	2 2 2 2 2 2 4 3 2 3 3 3 3 4 3 4 5 5 5 6 4 5 5 6 6 5 6 6 6 6 6 6 6 6 6					1 1 1	I			8 4 4 3 - 1 2 1 - 8 3 - 25 22 17 22 19 29	8 4 4 8 1 8 8 92 92 17 21 18 29	2 1 3 1 1	2 4 1 5 2 3 4 11 6 4 2 44 39 52 45 77 51	4 1 2 1 2 4 2 1 1 18 18 27 23 38 28 **	2 3 1 3 2 7 4 3 1 26 21 25 22 39 23 **	. 1	00		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 2 2 2 7 1 3 5	01	3 1 1
	9 5 2 4 6 4 5 11 13 75 68 86 107 104	2 2 2 2 2 2 4 3 2 3 3 3 3 4 3 4 5 5 5 6 4 5 5 6 6 5 6 6 6 6 6 6 6 6 6					1 1 1				1 8 4 4 3 1 2 1 8 8 25 22 17 22 19 20	1 8 4 4 8 1 8 8 22 22 22 17 21 18 29	2 1 3 1 1	2 4 1 5 2 3 4 11 6 4 2 44 39 52 45 77 51	4 1 2 1 2 4 2 1 1 18 18 27 23 38 28 **	2 3 1 3 2 7 4 3 1 26 21 25 22 39 23 **	1 1 1 1 4 4 1 1 3 1	00 00 00 00 00 00 00 00 00 00 00 00 00		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 2 2 2 7 1 3 5	01	3 1 1
	9 5 2 4 6 4 5 11 13 75 68 86 107 104	2 2 2 2 2 2 4 3 2 3 3 3 3 4 3 4 5 5 5 6 4 5 5 6 6 5 6 6 6 6 6 6 6 6 6					1 1 1				1 8 4 4 3 1 2 1 8 8 25 22 17 22 19 20	1 8 4 4 8 1 8 8 22 22 22 17 21 18 29	2 1 3 1 1	2 4 1 5 2 3 4 11 6 4 2 44 39 52 45 77 51	4 1 2 1 2 4 2 1 1 18 18 27 23 38 28 **	2 3 1 3 2 7 4 3 1 26 21 25 22 39 23 **	1 1 1 1 4 4 1 1 3 1	00 00 00 00 00 00 00 00 00 00 00 00 00		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 2 2 2 7 1 3 5	01	3 1 1
	9 5 2 4 6 4 5 11 13 75 68 86 107 104	2 2 2 2 2 2 4 3 2 3 3 3 3 4 3 4 5 5 5 6 4 5 5 6 6 5 6 6 6 6 6 6 6 6 6					1 1 1				1 8 4 4 3 1 2 1 8 8 25 22 17 22 19 20	1 8 4 4 8 1 8 8 22 22 22 17 21 18 29	2 1 3 1 1	2 4 1 5 2 3 4 11 6 4 2 44 39 52 45 77 51	4 1 2 1 2 4 2 1 1 18 18 27 23 38 28 **	2 3 1 3 2 7 4 3 1 26 21 25 22 39 23 **	1 1 1 1 4 4 1 1 3 1	00 00 00 00 00 00 00 00 00 00 00 00 00		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 2 2 2 7 1 3 5	01	3 1 1
	9 5 2 4 6 4 5 11 13 75 68 86 107 104	2 2 2 2 2 2 4 3 2 3 3 3 3 4 3 4 5 5 5 6 4 5 5 6 6 5 6 6 6 6 6 6 6 6 6					1 1 1				1 8 4 4 3 1 2 1 8 8 25 22 17 22 19 20	1 8 4 4 8 1 8 8 22 22 22 17 21 18 29	2 1 3 1 1	2 4 1 5 2 3 4 11 6 4 2 44 39 52 45 77 51	4 1 2 1 2 4 2 1 1 18 18 27 23 38 28 **	2 3 1 3 2 7 4 3 1 26 21 25 22 39 23 **	1 1 1 1 4 4 1 1 3 1	00 00 00 00 00 00 00 00 00 00 00 00 00		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 2 2 2 7 1 3 5	01	1 1 1
	9 5 2 4 6 4 5 11 13 75 68 86 107 104	2 2 2 2 2 2 4 3 2 3 3 3 3 4 3 4 5 5 5 6 4 5 5 6 6 5 6 6 6 6 6 6 6 6 6					1 1 1	I			8 4 4 3 - 1 2 1 - 8 3 - 25 22 17 22 19 29	8 4 4 8 1 8 8 92 92 17 21 18 29	1 1 1 1	2 4 1 5 2 3 4 11 6 4 2 44 39 52 45 77 51	4 1 2 1 2 4 2 1 1 18 18 27 23 38 28 **	3 1 3 2 7 4 3 1 26 21 25 22 39 23 **	. 1	00			1 1 2 2 2 7 1 3 5	01	1 8 1

200
100
Death
0
0
0
-
**
of
0
-
44
00
20
00
~
69
Causes
P
V
120
-
00
cified
*
100
0
00
~
Spe
74
-
-
-84
o.
D.
ED.
JED.
UED.
KUED.
NUED.
INDED.
CINUED.
_
_
_
_
_
CONTINUED.
_
_
_
-CONT
-CONT
-CONT
-CONT
-CONT
-CONT
-CONT
-CONT
_
XVIICONT
XVIICONT
XVIICONT
XVIICONT
XVIICONT
XVIICONT
XVIICONT
XVIICONT
XVIICONT
-CONT

0 1	принцип.	1	:		1	:	1		-	-	:	1	1		4	1	1		- 7	- 1	- 3	- 3
	80 and over.	- 1	1	1	1	1	-	1	01	H	-	1	1	4	1	1		-	-	-:		
	.08 os 67			1		1			7	01	24	-	-				1			-		-
378,	.07 01 07		-	1	64		01		-	1	-	-	-		1		-	-	-			-7
78	The second second		-	1		- 1	-	-	-	-	-	:	i	-	i	-	-	-	-	-	-	-
vi	65 to 70.		-	-	-	-	-		CH	-	-	-	-	-	-	-	-	-	- 1	-	-	-
AL	.60 to 65.	1	_	_	-	-	-	-	00	01	-	_	-	-	- 1	-	1	-		-		-
YEARS.—1878.	.09 to 60.	_	1	+	-	- 1.	-		-	-	-	1	-	-	-	-	-	04	-	-	-	-
E4	. 60 to 66.		-	- 1	:	- 1	- 1	- 1	-	-	-	1	1	1	;	-	-	-			- 1	-
OF	45 to 50.	1	- 1	- 1	-	1	-	-	-	-	-	- 1	-	1	-	-	-	1	- 1	- 2	-	-3
DB	40 to 45.		-	- 1	1	- 1	-	-			, A.	-	- 1	-	1	- 1	:	- 1	- 1	-	- 3	-
PERIODS	.01 to 40.	1	- 1	1	-	- 1	-	-	-	-	- 1	-	1	-	-	1	-	-	- 1	-	- 1	_
E C	30 to 35.		- 1	1	1	1	+	- 1	-	-	-		-	-	1		1		-	-	- 1	-3
IN	25 to 30.	:	1	1	-	1	-		CI		64	1	1	1	1	i	1	1	-	-		_
3 1	20 10 25.	- 1	:	- 1	7	-	-	-	1	-	1	1.	- 1	1	1	-			18	-	:	-
AGES	15 to 20.	:	- ;	1	-	i.	-	- 1	01	-	-	C.S	1	64	- 1	- 1	1	-	1	-	-	
A	10 to 15.		- 1	- 1	- 1	1	-	1	1	- 1	1	:	1	- 1	4	- 1	- 1	-	1	1	64	-
	.01 or d	1	1	- 1	- 1	1	- 1	- 1	*	4	1	:	1	:	1	1	1	04	01	1	-	1
1	Under 5.	1	1	1	1	1	-	1	20	7	13	-	7	1	1	1	1	64	:	01	-	1
-		-	-	-	-	-		-		-	-	-	-		1	-	-	-	-	-		-
	CAUSES OF DEATH.	Fever, Congestive	Fever, Continued		Fever, Gastric		" " "	Fever, Hepatic	Fever, Intermittent			Fever, Malarial			Fever, Milk	Fever, Nervous		Fever, Remittent			Fever, Rheumatic	
	.8781	-	1	01	60	-	01	1	73	60	40	-	1	1	1	00	01	12	20	7	7	00
	*F281	1	1	1	64	64	-	1	62	22	88	1	1	-	G.S	CI	1	7	20	-	9	9
IRS.	1875.	-	1	1	-	01	01	-	46	17	99	7	1	4	1	01	00	4	*	-	9	00
YEARS	.9781	1	-	1	10	CS	00	1	36	16	20	*	-	00	-	9	00	13	-	9	7	93
	.7781	1	1	1	C4	-	CH	1	523	30	23	-	*	00	1	1	60	9		04	*	09
	1878.	1	1	1	00	04	9	1	47	24	23	10	-	*	1	1	1	0	*	10	9	28
	Unknown.	-	1	:	1	:	1	1	-	-	-1	1	:	1	1	-	1	1	1	1	1	1
	December.		1	!	1	:	-	1	9	00	do	-	1	-	1	:	1	1	1	1	-	-
	November.		i	1	-	1	-		4	04	64	:	-	-	1	-	-	-	-	1	1	-
11	October,	1	1	-:	1	1	1	1	10	60	61	-	:	-	:	1	-	1	1	1	1	-
78.	September.	1	-	- 1	01	-	-	1	10	60	01	01	-	-	1	1	-	-	-	1	12	-
1878	August.	1	1	-	#	-	00	-	10	*	9	- 1	1	:	1	1	1	-	-	H	+	7
18	July.		,	1	1	;	1	1	50	69	-	1	-	1	1	-	1	01	-	H	-	18
MONTHS,	June,		-	-	1	-	1	-	00	-	Q1	-	1	-	1	- 4	1	-	1	7	.01	=
TON	May.		1	i	:	:	-	:	:	:	:	-	1	-	1	T	- 17	-	-	+	T	
N	April.	1	:	+	-	1	-	-	04	-	-	1	:	:	1	-	-	-	10	-		-
			_	_	_	_	,		60	01	**	,	_	1	-	1	-	-	-		-	-
	February.		:	-1	- 1	1	-	1	4	-	80	-		_	18.00	-	-					
		- 1	-	3	-	1	-		-	-	_	-	-	-								
	January.	0	•	1		-		-	-	-	1	-										
	SEX.	Jnkuown.	fales	emales	Potal	lales	emales	(ales	otal	Jens	1											

1	1	1	7	-	-3	1	1	9	-01	-	3.	1	- 5	-	1	-	. 1	1	-	1	4	0	1	-1	-	1
1	:	1	1	- 1	-	1	1	04	~	-	1	-	- 6	1	1	;	- 1	-	:	- 1	3	1	:	- 1	1	-
3	-	. :	- 2	- :	-	3	1	1-	*	0.0	- 5	*	- 1	- 1	1	- 7	- 3	1	-	2	-	1		- \$	-	-10
2	- 5		1		- 5	- ;	1	9	*	01	- 2	- 2.	- 1	1	-	1	1	- 1	04	1		1		- 1	17	
1	1	- 5	-	-	- 11	-	-	17	0	00	-:	-		3	.;	-1	- 1	- 10	-	-	1	-	-	1	1	1
=		1	-	- (1)	-	- 1		6	04	1	04	-1		3		1	1	1	C4	-	-	-	:	- 1	-	1
1	:	1	-	-	-	:	1	62	9	10	- 1		:	-	-	1	- 1	1	Ct	10	-	-	1		1	1
13		i	- 1	1	;	:		16	90	00	-	-		1	1	1	1	2	01	2	01		1	1	:	:
-	-	1	:	- 9	-	-	-	62	1+	8	:	-	-	- 5	- 1	-	1	-	00	04	-	1	-	-		-
-		:	1	-	-	1	-	11	=	9	1	1	-	1	-		:	-	-	-	-	4	-	1	1	
	-	:	01	-	Ç4	:	1	17	6	80	20	-	20	-	-	-	1	-	700	-	01	-	-	-	10	
-	-	-	20	-	04		·	17.	21	NO.	01	-	04	;		-	1	Ot .	04	-	-	-	1	-/-	:	
	-	-	04	01	-	- 1	:		13	1-	00	-	03		4	-		-	00	01	-	-	-	- 1	_	:
- 1	-	-	0+	-	-	:	-	05 1		0.	64	-	_	1	-1	-	- 1:	-	-	-	-	-	-	-	1	-
-	-		_	-	_	- 1	-	22	12		60	_	01	-	-	-	- 1		_	-	100	-	1	-1	- 1	
2	1	-	01	_		- 1	-	45	13	23	-	_	-		-		1	3		-		19	- 1	1	1	
-	1		-	00	-	i	*	32	14	18	_	-	-	-	-	- 1	-	-	61	_	-	- 1	-1	;	-	1
=	- 1	:	00	63	9	1	- 1	38	255	15	-	1	-	7	1	1	1	1	6.3	-	64	- 1	1	- 1	1	8
1	-	-	36	13	53	-	1	27	20	17	-	1	1	-	-	-	1	-	200	17	14	-	1	1	-	1
	Fever, Scrofulous	aptic	pinal			Spotted	***************************************	Typhoid			Typho-malarial	" " "	и и	Typhus			rinary	wolle	aspecified)				Recto-cystic		· · · · · · · · · · · · · · · · · · ·	numatic
8 8 4	1 Fever, Sc	1 Fever, Septlo	74 89 428 Fever, Spinal	40 43 237 **	84 46 191	1 5 36 Fever, SI	3 1 30	611 678 Fever,	32 317 385	01 294 293 "	7 Fever, T	01 .		14 16 16 Fever, Ty	6 12 4 "	8 4 19	Fever, Urinary	1 Fever, Yellow	75 97 133 Fever (Unspecified)	89 21 68 **	45 46 65 **		Fistula,	1 1 Fistula.		1 Fits, Rheumatic
4	1 Fever, Sc	1 Fever, S.	428	43 237	_	36 Fever,	1 30 "	678 Fever,	232 317 385	293	7 Fever,			16 16 Fever,	-		1 Fever, U.			89	46 65			Fistula.		1 Fits, Rhe
4	I Fovor, 8c	1 Fever, S.	74 89 428	40 43 237	84 46 191	36 Fever,	1 30 "	426 433 611 678 Fever,	233 232 317 385	193 201 294 293	7 Fever,		10	16 16 Fever,	-		1 Fever, U.		75 97	30 51 68	44 45 46 65			1 1 Fistula		1 Fits, Rhe
1 4 8 8 4	1 Fever, 8c	1 Fever, S.	73 73 74 89 428	35 35 40 43 237	38 38 46 191	1 1 5 36 Fever,	8 1 30	446 426 433 611 678 Fever,	231 233 232 317 385	212 193 201 294 293	4 6 7 Fever,		10	11 14 16 16 Fever,	-	4 8 4 19	1 Fever, U.		56 96 75 97	24 52 30 51 68	32 44 45 46 65			1 1 Fistula		1 Fits, Rhe
1 4 8 8 4	1 Fever, 8c	1 Fever, Se	63 73 73 74 89 428	35 40 43 237	38 84 46 191	2 1 1 5 36 Fever,	8 1 30	426 433 611 678 Fever,	233 232 317 385	193 201 294 293	7 Fever,	1 1 2	10	29 11 14 16 16 Fever,	13 7 6 12 4	4 8 4 19	1 Fever, U.	1 1	96 75 97	52 30 51 68	44 45 46 65				1	
1 8 8 4	1 Fever, 8c	1 Fever, Se	73 73 74 89 428	35 35 40 43 237	38 38 46 191	1 1 5 36 Fever,	8 1 30	329 446 426 433 611 678 Fever,	231 233 232 317 385	153 212 193 201 264 293	4 6 7 Fever,	1 1 2	10	29 11 14 16 16 Fever,	13 7 6 12 4	4 8 4 19		1 1	56 96 75 97	24 52 30 51 68	32 44 45 46 65			1 1 Fistula		
1 8 8 4	1 Fever, Se	1 Fever, S.	63 73 73 74 89 428	35 35 40 43 237	38 38 34 46 191	2 1 1 5 36 Fever,	2 3 1 30	329 446 426 433 611 678 Fever,	17 176 231 233 232 317 385	14 153 212 193 201 294 293	18 4 6 7 Fever,	5 1 1 2	10	29 11 14 16 16 Fever,	2 13 7 6 12 4	3 16 4 8 4 19	Fever, U	2 1 1	64 56 96 75 97	32 24 52 30 51 68	31 32 44 45 46 65					
1 8 8 4	1 Fever, Sc	1 Fever, S.	63 73 73 74 89 428	35 35 40 43 237	- 38 38 34 46 191	2 1 1 5 36 Fever,	2 8 1 30	329 446 426 433 611 678 Fever,	17 176 231 233 232 317 385	14 153 212 193 201 294 293	18 4 6 7 Fever,	5 1 1 2	10	29 11 14 16 16 Fever,	2 13 7 6 12 4	3 16 4 8 4 19	Fever, U	2 1	64 56 96 75 97	32 24 52 30 51 68	31 32 44 45 46 65	_				
- 11-1 4 2 4 8 8 4	1 Fever, Se	1 Fever, Se	5 63 73 74 89 428	1 25 35 35 40 43 237	4 38 38 34 46 191	2 1 1 5 36 Fever,	2 3 1 30	41 31 329 446 426 433 611 678 Fever,	25 17 176 231 233 232 317 385	16 14 153 212 193 201 294 293	18 4 6 7 Fever,	5 1 1 2	13 8 5 5	29 11 14 16 16 Fever,	2 13 7 6 12 4	3 16 4 8 4 19		2 1	5 64 56 96 75 97	1 32 24 52 30 51 68	4 31 32 44 45 46 65	_	1 Fistula,		1	
- 11-1 4 2 4 8 8 4	1 Fever, Se	1 Fever, S.	5 63 73 74 89 428	2 1 25 35 35 40 43 237	4 38 38 34 46 191	2 1 1 5 36 Fever,		52 41 31 329 446 426 433 611 678 Fever,	25 25 17 176 231 233 232 317 385	27 16 14   153 212 193 201 294 293	4 3 7 Fever,	5 1 1 2	13 8 5 5	29 11 14 16 16 Fever,	2 13 7 6 12 4	3 16 4 8 4 19	1 Fever, U.	2 1	7 6 5 64 56 96 75 97	8 1 32 24 52 80 51 68	3 4 31 32 44 45 46 65	_	1 Fistula,		1	
		1 Fever, S.	5 63 73 74 89 428	8 2 1 25 35 35 40 43 237	1 1 4 38 38 34 46 191	2 1 1 5 36 Fever,		34 52 41 31 329 446 426 433 611 678 Fever,	28 25 25 17 176 231 233 232 317 385	26 27 16 14 153 212 193 201 294 293	8 4 3 18 4 6 7 Fover,		00 00	29 11 14 16 16 Fever,	2 13 7 6 12 4	3 16 4 8 4 19	Fever, U.	2 1	5 64 56 96 75 97	5 3 1 32 24 52 30 51 68	2 3 4 31 32 44 45 46 65	;	1 Fistula,			
- 11-1 4 2 4 8 8 4	Fovor, Sc		11 4 3 5 63 73 73 74 89 428	8 2 1 25 35 35 40 43 237	4 5 1 1 4 38 38 34 46 191	2 1 1 5 36 Fever,		42 54 52 41 31 329 446 426 433 611 678 Fever,	22 28 25 25 17 176 231 233 232 317 385	20 26 27 16 14 153 212 193 201 294 293	4 3 7 Fever,		00 00	29 11 14 16 16 Fever,	2 13 7 6 12 4	3 16 4 8 4 19		2 1	6 14 7 6 5 64 56 96 75 97	5 3 1 32 24 52 30 51 68	8 2 3 4 31 32 44 45 46 65	1	1 Fistula,			
	1 Fover, 8c	1 Fever, St	9 11 4 3 5 63 73 74 89 428	5 6 8 2 1 25 35 35 40 43 237	2 4 5 1 1 4 38 38 34 46 191	2 1 1 5 36 Fever,		21 42 54 52 41 31 329 446 426 433 611 678 Fever,	9 22 28 25 25 17 176 231 233 232 317 385	26 27 16 14 153 212 193 201 294 293	8 4 3 18 4 6 7 Fover,		100 00 00 00 00 00 00 00 00 00 00 00 00	1 1 1 1 5 29 11 14 16 16 Fever,	1 1 2 13 7 6 12 4	1 1 8 16 4 8 4 12	Fever, U.	2 1	5 6 14 7 6 5 64 56 96 75 97	5 3 1 32 24 52 30 51 68	4 2 8 2 3 4 31 32 44 45 46 65	;	1 Fistula,			
	1 Fover, 8c		4 2 9 11 4 3 5 63 73 74 89 428	9 5 6 8 2 1 25 35 35 40 43 237	2 2 4 5 1 1 4 38 38 34 46 191	2 1 1 5 36 Fever,		21 42 54 52 41 31 329 446 426 433 611 678 Fever,	9 9 22 28 25 25 17 176 231 233 232 317 385	4 12 20 26 27 16 14 153 212 193 201 294 293	8 4 3 18 4 6 7 Fover,		100 00 00 00 00 00 00 00 00 00 00 00 00	1 1 1 1 6 29 11 14 16 16 Fever,	1 1 2 13 7 6 12 4	1 1 8 16 4 8 4 12	1 Fever, U	2 1	6 5 6 14 7 6 5 64 56 96 75 97	3 1 4 5 5 3 1 32 24 52 30 51 68	3 4 2 8 2 3 4 31 32 44 45 46 65		I Fistula,			
	Fovor, Sc	Fever, St	8 4 2 9 11 4 3 5 63 73 74 89 428	5 6 8 2 1 25 35 35 40 43 237	5 2 2 4 5 1 1 4 38 38 38 34 46 191	2 1 1 5 36 Fever,	2 3 1 30	21 42 54 52 41 31 329 446 426 433 611 678 Fever,	9 9 22 28 25 25 17 176 231 233 232 317 385	7 4 12 20 26 27 16 14 153 212 193 201 294 298	1 8 4 3 18 4 6 7 Fover,	01 11 11 11 11 11 11 11 11 11 11 11 11 1	10 00 00	1 1 1 1 6 29 11 14 16 16 Fever,		1 1 8 16 4 8 4 12	1	1 1 2 1 1	8 6 5 6 14 7 6 5 64 56 96 75 97	5 3 1 32 24 52 30 51 68	1 3 4 2 8 2 3 4 31 32 44 45 46 65		Fistula,			
	Fovor, Sc		6 8 4 2 9 11 4 3 5 63 73 73 74 89 428	9 5 6 8 2 1 25 35 35 40 43 237	5 5 2 2 4 5 1 1 4 38 38 38 34 46 191	2 1 1 5 36 Fever.		21 42 54 52 41 31 329 446 426 433 611 678 Fever,	9 9 22 28 25 25 17 176 231 233 232 317 385	7 7 4 12 20 26 27 16 14 153 212 193 201 204 298	1 1 8 4 3 18 4 6 7 Fover,		10 00 00 10 11	1 1 1 1 6 29 11 14 10 16 Fever,		1 1 8 16 4 8 4 12	1	2 1	6 3 6 5 6 14 7 6 5 64 56 96 75 97	4 2 3 1 4 5 5 3 1 32 24 52 30 51 68	2 1 3 4 2 8 2 3 4 31 32 44 45 46 65		Fistula,			
	I Fever, Se		8 4 2 9 11 4 3 5 63 73 74 89 428	9 5 6 8 2 1 25 35 35 40 43 237	5 2 2 4 5 1 1 4 38 38 38 34 46 191	2 1 1 5 36 Fever,	2 3 1 30	42 54 52 41 31 329 446 426 433 611 678 Fever,	9 22 28 25 25 17 176 231 233 232 317 385	7 4 12 20 26 27 16 14 153 212 193 201 294 298	1 8 4 3 18 4 6 7 Fever,		13 80 61 65	1 1 1 1 1 6 29 11 14 10 16 Fever,		1 1 1 8 16 4 8 4 19	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 2 1 1	8 6 8 6 5 6 14 7 6 5 64 56 96 75 97	2 4 2 3 1 4 5 5 3 1 32 24 52 30 51 68	1 2 1 3 4 2 8 2 3 4 31 32 44 45 46 65		Fistnia,			
	I Fever, Se		6 8 4 2 9 11 4 3 5 63 73 73 74 89 428	9 5 6 8 2 1 25 35 35 40 43 237	5 5 2 2 4 5 1 1 4 38 38 38 34 46 191	2 1 1 5 36 Fever.		21 42 54 52 41 31 329 446 426 433 611 678 Fever,	9 9 22 28 25 25 17 176 231 233 232 317 385	7 7 4 12 20 26 27 16 14 153 212 193 201 204 298	1 1 8 4 3 18 4 6 7 Fover,		00 00 00 00 00 00 00 00 00 00 00 00 00	1 1 1 1 1 6 29 11 14 10 16 Fever,		1 1 1 8 16 4 8 4 19	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		2 8 6 8 6 5 6 14 7 6 5 64 56 96 75 97	1 2 4 2 3 1 4 5 5 3 1 32 24 52 30 51 68	1 1 2 1 3 4 2 8 2 3 4 31 33 44 45 46 65		Fistnia,			
	Bever, Sc		6 8 4 2 9 11 4 3 5 63 73 73 74 89 428	9 5 6 8 2 1 25 35 35 40 43 237	5 5 2 2 4 5 1 1 4 38 38 38 34 46 191	2 1 1 5 36 Fever.		21 42 54 52 41 31 329 446 426 433 611 678 Fever,	9 9 22 28 25 25 17 176 231 233 232 317 385	7 7 4 12 20 26 27 16 14 153 212 193 201 204 298	1 8 4 3 18 4 6 7 Fever,		13 80 61 65	1 1 1 1 1 5 29 11 14 16 16 Fever,			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		8 6 8 6 5 6 14 7 6 5 64 56 96 75 97	1 1 2 4 2 3 1 4 5 5 3 1 32 24 52 30 51 68	1 1 2 1 3 4 2 8 2 3 4 31 33 44 45 46 65		Fistnia,			
	I Fever, Se		6 8 4 2 9 11 4 3 5 63 73 73 74 89 428	9 5 6 8 2 1 25 35 35 40 43 237	5 5 2 2 4 5 1 1 4 38 38 38 34 46 191	2 1 1 5 36 Fever.		21 42 54 52 41 31 329 446 426 433 611 678 Fever,	9 9 22 28 25 25 17 176 231 233 232 317 385	7 7 4 12 20 26 27 16 14 153 212 193 201 204 298	1 8 4 3 18 4 6 7 Fever,	5 1 1	1 13 88 8 13 88 88 8	1 1 1 1 1 5 29 11 14 16 16 Fever,					1 2 8 6 8 6 5 6 14 7 6 5 64 56 96 75 97	1 1 2 4 2 3 1 4 5 5 3 1 32 24 52 30 51 68	1 1 2 1 3 4 2 8 2 3 4 31 33 44 45 46 65		Fistnia,			
	Fover, Sc		6 8 4 2 9 11 4 3 5 63 73 73 74 89 428	9 5 6 8 2 1 25 35 35 40 43 237	5 5 2 2 4 5 1 1 4 38 38 38 34 46 191	2 1 1 5 36 Fever.		21 42 54 52 41 31 329 446 426 433 611 678 Fever,	9 9 22 28 25 25 17 176 231 233 232 317 385	7 7 4 12 20 26 27 16 14 153 212 193 201 204 298	1 8 4 3 18 4 6 7 Fever,	5 1 1	1 13 88 8 13 88 88 8	1 1 1 1 1 5 29 11 14 16 16 Fever,					1 2 8 6 8 6 5 6 14 7 6 5 64 56 96 75 97	1 1 2 4 2 3 1 4 5 5 3 1 32 24 52 30 51 68	1 1 2 1 3 4 2 8 2 3 4 31 33 44 45 46 65		Fistnia,			
	Fever, Sc		6 8 4 2 9 11 4 3 5 63 73 73 74 89 428	9 5 6 8 2 1 25 35 35 40 43 237	5 5 2 2 4 5 1 1 4 38 38 38 34 46 191	2 1 1 5 36 Fever.		21 42 54 52 41 31 329 446 426 433 611 678 Fever,	9 9 22 28 25 25 17 176 231 233 232 317 385	7 7 4 12 20 26 27 16 14 153 212 193 201 204 298	1 8 4 3 18 4 6 7 Fever,	5 1 1	1 13 88 8 13 88 88 8	1 1 1 1 1 5 29 11 14 16 16 Fever,					1 2 8 6 8 6 5 6 14 7 6 5 64 56 96 75 97	1 1 2 4 2 3 1 4 5 5 3 1 32 24 52 30 51 68	1 1 2 1 3 4 2 8 2 3 4 31 33 44 45 46 65		Fistnia,			
	Forer, Sc		6 8 4 2 9 11 4 3 5 63 73 73 74 89 428	9 5 6 8 2 1 25 35 35 40 43 237	5 5 2 2 4 5 1 1 4 38 38 38 34 46 191	2 1 1 5 36 Fever.		21 42 54 52 41 31 329 446 426 433 611 678 Fever,	9 9 22 28 25 25 17 176 231 233 232 317 385	7 7 4 12 20 26 27 16 14 153 212 193 201 204 298	1 8 4 3 18 4 6 7 Fever,		00 00 00 00 00 00 00 00 00 00 00 00 00	1 1 1 1 1 6 29 11 14 10 16 Fever,		1 1 1 8 16 4 8 4 19	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		2 8 6 8 6 5 6 14 7 6 5 64 56 96 75 97	1 2 4 2 3 1 4 5 5 3 1 32 24 52 30 51 68	1 2 1 3 4 2 8 2 3 4 31 32 44 45 46 65		Fistnia,			

TABLE XVII.—Continued.—Specified Causes of Death.

				Mon	H Z	E .	тнв, 1878.	378							X E	YEARS.							8	E H	E	4	AGER IN PERIODS OF YEARS.—1878.	<u>0</u>	8	Ö	X	3	2	Ť	378 28		
SEX.	February.	March.	April.	May	June	July.	August.	September	October.	November.	December.	Unknown,	.8781	.TTSI	1876.	1875.	1874.	1873.	CAUSES OF DEATH.	' death.	Under 5.	.01 ot 6	10 to 15.	15 to 20.	.62 01 02	25 to 30.	.68 of 08	35 to 40.	40 to 45.	45 to 50.	'99 01 09	.08 01 66	60 to 65.	65 to 70.	20 10 10	75 to 80.	19Vo bna 08
Males	:	- :	- 1	- 1	- 1	- 1		-	-1	,	-	-	1	1					Fits, Spinal		_ i	- 1					-1	- ;		:	-:				1	1	- 1
Total	- 1	62	0.3	=	Ξ	40	6	53	14	10	90	-	35	133	00	94	114		150 Fits (See Convulsions)	lons)	7	711	-		0	7	01	-	04	- ;	-:		-	0+	;	-	1
Males	- ;	00	01	00	**	00	10	6	-	-	4	1	24	7.5	15	54	65	76			•	5	-		00	01	-	:	64	- 1	- 4	-,	-	:	-3	1	1
Females	1	-	7	00	-	.04	7	*	1	*	7	-	7	28	85	40	49	26	9		64	1 02	-		O.F	01	-	-	1		_ ;		;	04	- ;	-	.1
Males	1	- :	- 1	- 1	-;	- 1		1	- 1	- 1	1	- 1	1	1	1	- }	-	_	Foot, Inflam. of		1	- 1	_		- 1	:	1	- 1	- ;	- 1	-:	- 1	1	-	1	1	- (
Males	1	- 1	- 1	1		1					-	- [	1	1	1	i	i		Foul Air in Well		1	-:	_		- 1	:	- 1	- ;	- }	7	1		1	1	- ;	1	- 1
Males	1	1	1	:	1	:	- 1	i		-	-	-:	1	1	1	-	1	÷	"Found Hanging"		1	1	_		4	- 1	:	1	- ;	:	:	-,	-	4	-		-
Males	:	:	- 1	1	- }	:	÷	÷	:	- ;	÷	+	;	1	.[	-	-		Fracture of Arm.		1	+	_	11	:	_ '	- ;	;	- (	- 1	4		1	- 1	- 1	1	- (
Males	1	1	- 1	1	1	-	1	- :	- ;	+	1	1	1	1		-	1		Fracture of Clavicle.	31 <b>6</b>	1	1	_	- *	- ;		- ;	:	- 1		1	-,	1	- 1	- 1	1	1
Males	:	- 1	1	4	-1	1	1	+	- 1	÷	+	1	;	-	1		1		Fracture of Hip		1	+	_		- ;	,	- 1	- 1	-1	-1	- 1		-	1	1	1	- 1
Females	;	1	- 1		1	1	÷	+	- 1		1	+	1	60	93	-	i		2		1	4	-	- ).	1		- 1	:	:	- 1	1	-,	1	;	1	1	:
rotal	- 1	- 1	-1	1	1	1	01	1	-	-	-		*	0+	00	*	*		Practure of Leg.		1	+	-		1		- 1	-	- 1	;		-	-		.04	1	1
Males	:	:	1	- ;	1	- 1	94	-	1	-	-	-	02	69	01	•	63				1	+		-4	;		- :	1	,	1	1	-,	-	:	Qŧ	:	1
Females	1	1	- 0	1	1	:	1	;	-	-	,		-	i	-	1	-		:		- 5	1	-		:		:	-	- 1	.;	- 1	- 4	1	-1	- 1	- 1	-1
Males	1	1	1	1	.:	7		:	1	-	+	1	:	-	1	i	1		Fracture of Limb		4	+	_		:		1	1	i	. 1	- 1	,	T	- 1	. 1	-:	- 1
Females	:	1	:	L	:	1	÷	+		1	1	1	1	-	i	1	i		:			1	_		;		:	:		1	- ;		- 1	:	-1	:	-1
Males	1	1	1	1	:	-4	1	-		1	1	-	1	7	1	-	1		Fracture of Neck.			1	-		:		- 1	1	-1	- }			- 1	:	-	1	1
Males	1	1	1	1	:	-	÷	Ť		*	-:-	1	1	-	1	1	1	f	Fracture of Pelvis			1	-	ž.	÷		- 1	4	- 7	:	. \$		- 1	1		:	1
Malcs	. 1	1	-	1	;	1	i	+		-	-	-	01	1	1	1	1	1	Fracture of Ribs.			1		1	- t		:	- 1	- 1	- 6		-	. :	1	1	-	-
Males	1	-	1	1	1	1	-	i		-	01		00	-	80	60	2		Fracture of Skull			- 1			- 1	-	1	1	- 1	1	- 1		- 1	1	1	-	à
Females.		-									f											_														Ī	

Males	3 Fracture of Spine
Females	
X8108	1 Fracture of Thigh
	Fracture
Females 2	:::::::::::::::::::::::::::::::::::::::
Males 1 1 2 1 4 4	2 Freczing
18 Femalos	: : : : : : : : : : : : : : : : : : : :
3 Males 1 1 1 1	- Frienk
Males 1 1	Fungus Hæmatodes
Females 1 1	
Males 1 1 1 1	Gall, Disease of
Females	1 Gall-stone, Passage of
Males 2 1 3	Gall-stone
Females	:::::::::::::::::::::::::::::::::::::::
Males	Gangrene, Sonile.
Femalca	: : : : : : : : : : : : : : : : : : : :
Total	8 Gangrene 1 1 1 4 1
Males 1 2 1 1 8 9 5 3	
Females	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
Males 1	Gastralgia
Females	
Females 1 1	Glandors
Males	1 "Glands".
Females	Goltre
Males 1 1 1	Gonorrbea
Males 1 1	Gout, "Bheumatic"
Maloa	Gout

TABLE XVII.—Continued.—Specified Causes of Death.

				Z	Monti		8, 1	1878.							YEARS.	RS.						¥	AGES IN	Ē		PERIODS OF	<u> </u>	80	O.F.		YEARS.—1878.		Ĩ	378		
SEX	January.	February.	March.	April,	May.	July.	August	September.	October.	November.	December.	Пиклочи.	.8781	.778I	.9781	1875.	.a78f	18781	CAUSES OF DEATH.	Under 5.	.01 of d	10 to 15.	15 to 20.	20 to 25,	25 to 30.	.68 of 08	.05 to 40.	.6b ot 0b	45 to 50.	.66 es 65.	.09 63 55	.60 to 65.	65 to 70,	20 10 10	75 to 80.	SO and over Unknown.
Total		1	*		1 :	_	10	6.0	00	-	( ;	E	62	16	53	64	15	8	Gravet		01	1 04	3			1 1	1	-1	- 1	-	-	1	9	110	80	-
Males	90		4	÷	- 1	-	10	Q1	80	*	- 1	1	21	16	50	50	18	2	=	-	01	04	1	- 1	1	_;	:	_ 1	-1	-	7	-	10	01	60	-
Females	1	- 1	T	i	-	-		-	- 1	1	1	1	C1	1	01	1	-	-		1	- ;	- !	1	:		1	:	- 1	- 1	1	:		-	-	÷	÷
Total	п	*	-00	1	-	-Ξ	60	-	-	;	1	-	17	12	19	=	18	-	Gun-shot	i		-:	7	63	00	-	60	-	-	- ;	-	-	- 1	÷	1	-1
Males	-	0.0	63	1	-	_	01	-	-	_ ;	1	-	12	9	16	=	18	9			- 1	-:	00	93	80	-	64	-	-	- 1	н	i	i	÷	-	-:
Females	- 1	-	1	0	1	- 1	-			- 1	- 1	;	QI	1	03	1	1			- 1	- !			:	1	1	-	. :	- 1	-1	i	1	T.	÷	-:	1
Total	1	4	1	90	91	7	01	20	-	4	01	1	33	11	15	17	6	13	Hæmoptysis	-	-	-	60	*	-	4	C.	04	69	-	1	-	00	- 1	- 1	1
Males	- !	- 1	1	60	01	-	01	G.	11.6	60	01	1	18	13	11	13	10	2			-	-:	01	64	7	00	-	01	94	-	1	F	05	-	Ť	÷
Females		- 1	1	20	-	-	•		-	-	- 1	1	1-	*	4	*	*	90		1	1	- ;	-	64	-	-	-	1	;	- 1	-	-	1	1	1	-:
Males	- 1	- 1	i	÷					- +	:	- 1	Ť	1	-	- 1	1	1	j	Hay Fever	1	+		1	-;	!	:	- ;	- 1	1	:	1	1	1	- ;	1	÷
Males	- :	_ :	1	- ;	1	- 1				- 1	- 1	i	i	1	64	i	1	01	Headache	+	1;	- 1	1	1	1	1	- 1	-1	- 1	- 1	1	1		i	Ť	÷
Males	1	1	-	;	1	- 1	_,	-	- 1	- :	04	-1	00	04	-	1	1	-	Hend Disease	-	=	-:	1	-1	1	-	- 1	-	- 1	1	1	-	1	1	- 1	÷
Females	- )	1	1	:	- :	_ :		_	100		1	Ť	i	64			-	-	1 = 1	-	- 1	- :	1	:	- 1	1	- 1	_ !	- 1	- 1	1	1	i	- 1	-	1
Total	- 1	;	-	1	-	-	•	- 6	~	- 1	-1	- 1	4	-		i	04	_	Head, Inflam. of	-	(60	- 1	- 1	- 1	1	1	:	-	- 1	- 1		1	i	Ť	-	÷
Males	1	- 1	-	1		<u>.</u>		- 1	1	- 1	1	1	-	-	1	1	-	7		i	-	-:	-!	- 1	1	-	- 1	- 1	- ;	:	-	T	1	1	:	+
Females	- 1		-	-	-	-	- 1	1	-	1	-:	-1	80	I	1	1	-	1	" " "	-	01	- 1	. ;	:	1	1	:	-	-:	- 1	:	1	1	1	- 1	1
Females	-1		- ;	1	1	-:		1		- (	- 1	÷	i	1	1	i	1	-	Head, Injury to	+	+	-	1	1	- [	1	;	:	:	1	- 1	T	1	1	1	+
Females	- 1	1	÷	<del>-</del>	1	- :		- 1	- 1	1	1	1	i	1	-	1	1	1	Head, Neuralgia in	1	+	-:	- ;	- 1	- 1	1	:	1	:	:	- 1	1	- ;	-	1	÷
Zemales	1	-	:	i	:	-	- *	1	-	1	1	1	-	1	1	1	1	1	Head, Rupture in	1	+	- 1	1	;	-	1	- 1	:	- ;	3	:	1	- 1	:	- 1	+
Females	- 1	:	÷	i	1	1	•	:		-1	-		=	1	1	1	1	- 1	Heart Clot	-	- 1	- 1	1	:	-	- 1	:	- ;	-		- 1	1	- 1	-	1	-
and come		_	-	-	_	_					_	-	-			1		l			-	_			_	_						1	-	_	_	-

Total 23 27 17 26 22 28	133	7117	98	21		33 27 36 21 35 36	36	22	5 36	-	332	367	320	688	320		Hear	315 Heart Disease	20 0	2 13	9 12		7118116		18 21 25 24 29 37 34	52	18	60	34	30	00	100
Males		8 13 9 20	20	14 12	61 2	15	8	19 21	133	1	187	194	185	156	176	173		=	64	9	9	9	10	Ξ	10 9	13	=	23 25	5 13	19	9	61
Females 15 14 8	151	90	9	8 16	6 14	25	7	9 11	11	-	2	172	133	135	145	3	:	***************************************	11 22	۲	60	7	8	9	8	61	00	61	15	=	61	_
Unknown.	i	1		1	1	Ì	i	1	1	1	1	-	1	i	1		:	***************************************	1	İ	+		:	1	:	;	- 1	-	1	1.	T	
Females	-	:		- 1	1	- ;	i	+	1	1	1	1	1	1	1		Hear	Heart Disease, Organic	1	Ť	+	- 1	:	i	1	1	ì	+	1	1	-1	
Total 1	1	1		1	.:	н	-	1	:	1	10	1	G4	4	9		Недг	Heart, Enlargement of	64	i	F	A	1	İ	-	1	1	-	:	- :	1	
Males	:	:	i	-	-	4	-	+	1	1	00	-	-	04	01		•	:	:	Ť	-	1	- 1	i	-	:	1	-	:	1	1	
Females 1	1	:	-	-	-	1	i	+	1	1	01	-	-	64	*	-		*	91	Ť	1	1	1	i	:	1	Ť	+	-1	11	11	
Total	÷	7	-	:	:	1	-	1	:	1	00	24	1	1	i		Hear	Heart, Fatty Degen. of	:	i	1	-:	1	i	÷	1	-1	-	-	- :	-	
Males	1	1	=	1	1	1	i	÷	1	1	-	01	1	1	1			* * *	:	i	:	-	:	- }	1	1	7	:	+	:	:	
Females 1	1		- 1	+	-		-	÷	1	.1	04	1	i	1	1		3		:	i	:	+	1	i	1	1	Ť	- 1	7	;	-	
Total	1	:	i	-	1	1	i	1	-	1	-04	1	i	1	1	-	Hear	Heart, Hypertrophy of	1	1	1	1	1	i	1	-1	1	7	;	-	1	
Males	:	:	1	-	-	-1	i	+	:	_1	-	1	i	1	1		=	,	:	i	1	-	- 1	i	:	1	i	-	-	- ;	1	
Females	1	1	- 1	1	1	-1	÷	1	-	1	-	1	i	1	1		:	**	1	i	-	1	- 1	Ť	1	- 1	i	+	1	-	- 1	
Males	1	1	-1	1	4	1	i	÷	1	1	1	1	1	;	01		Hear	Heart, Inflam. of	1	1	+	-	:	i	:	1	Ť	1	- 1	. :	-	
Females	-1	1	1	-	:	1	;	-	1	1	01	1	1	1	60		:	"	-	-	1	- 1	1	Ť	1	1	i	:	- 1	-1	1	
Males	1	1	- 1	1	:	1	-	+	1	- 1	-	1	;	1	1		Hear	Heart, Malfor. of	-	Ì	1	:	- ;	Ť	:	1	i	:	-	:	-	
Total 1	-	1	4	-	-	1	i	1	01	1	10	9	6	0	-	04	Hear	Heart, Nouralgia of	1	i	-	-	1	i	;	1	1	-	-	1	01	
Males 1	-	1	i	-	1	1	i	÷	1	1	00	60	0	00	1	01	ŧ	* *	1	i	1	1	- 1	1	1	1	+	-	:	1	01	
Females	i	:	1	1	1	1	1	1	61	1	04	9	4	04	1		•	=	1	1	7	-	:	i	-	- 1	1	-:	1	- 1	-	
Males	1		- 1	+	1	- 1	:	-	1	. ).	-	C.	-	-	1		Hear	Heart, Ossifi. of	1	İ	-	-	-1	ì	:	1	i	1	:	-;	:	
Females	i		1	-	1	1	1	1	1	.1	1	1	1	i	-		=		1	Ť	1	+	:	Ť	:	- :	Ť	1	1	1	1	
Males	1	1	- 1	;	1	1	i	+	+	1	1	-	-	-	į	20		Heart, Palpitation of	:	i	1	:	11	i	- 1	-1	1	1	1		1	
*emales	1	1	- 1	1	1	1	1	+	1	1	1	-	-	C.	*		=		1	i	+	1	1	i	-	1	i	+	1	:	:	
TO 581 1 1	1	1	1		1	64	1	*	21	1	13	60	01	01	1		Hear	Heart, Paralysis of	-	1	-	1		4	1	64	-	C4	7	01	-	:
.(sles 1	i	7	1	1	69	01	1	+	1	.1	90	02	G4	1	;		:		1	1	-	1		1	-	-	-	:	-	-	-	
Fomales 1	T	:	1		1	5	1	60	1	1	*	1	1	-	T	_	=	*	1	- 1	+	+		Ť	1	-	-	:	1	-	+	
	١			I	١	ļ	I	١	۱	l		I	I	1		1						1	١	١	l	l	l	I	l	l	ı	

TABLE XVII.—Continued.—Specified Causes of Death.

				ä	MonT	18	ия, 1878,	8.				-			×Ε	YEARS.					_		4	GE	AGES IN			PERIODS OF	TOI	38			YEARS.—1878.	18.	ï	878		
SEX.	January.	February.	April.	.yald	June.	July.	August.	Beptember.	October.	Хочетрет.	December.	Uпквоwn, 1	1878,	.17781	1876,	1875,	1874.		18781	CAUSES OF DEATH.	Under 5.		10 to 15.	15 to 20.	20 10 25.	_	30 to 35.	30 to 35.	.01 of 65	40 10 45.	45 to 50.	.66 to 55.	.00 or dd	60 to 65.	65 to 70.	70 to 75.	75 to 80.	.1970 ban 08
Males	3	-:	_!		1.	:	-	1	1	- 1	-	1	-	-1		:	H	i		Heart, Rupture of.		-		-	_	+	-	=	-	- 1	-	-	-	-:	= ;	-	:	_ ;
Females	- 1	:	4		:	:	- ;		- 1	:	- :	1	1	-1		-	+	:	1		1	_	:	1	1	1	-	-	-	i	-	+	-:	-	1	- :	1	- ;
Males	- 1	1	- :		- 2	1	1		1	1	- 1	;	- }	1		64	04	-	1	Heart, Valvular Dis. of	1	:	1	1	+	÷	÷	-:	-:	-	i	- :	-	-	- 1	- ;	:	- 1
Fomales	1	1	1		:	- 1	:	<b>Q</b> 4	H	11	1	1	00	1	i		-:	;	1		- 1	i	-	:	_	÷	-	÷	÷	-	-	-		-:	1	-	:	- 1
Total		:	1		-		1.3		!	13	91	1	10	10		93	22	9	9	Hemorrhage of Bowels	-	-	+	+	1	4	1	-		-	1	-	4	-:	:	:	-	-
Males	i	-	:		-	- 1	1		17	- 1	-	1	*	*	4	00	O1	10	20		-	=	÷	- 1	_	+	-	1	1	-	:	-	1	:	1	- :	-	- 1
Females	4.4	1	1	_	- 1	7	- 7		1	11	-	:	-	1	1		-	+	00		1	÷	1	-	_	1	-	- :	-	-	-	÷	-	-	Y	4	- ;	-
Total	÷	:	1		- 1	1	-		:	- 1	-	-0	60	1	1	-	9	1	1	Hemorrhage, Cerebral.	1	÷	+	- 1	-	+	-	- 1	<del>-</del>	- 1		+	1	-		1	:	-4
Males	:	- ;	-1-		1.1	1	-		:	1	-	-1	e.		1		19	-	1	,	1	_	1	1	7	H	-	-	1	-	- 1	-	-	1.7		- 1	- ;	- 1
Females	-	1	1		1	1	- 1.		1	-0	1	1	-	1		1	1	1	1		+	-	+	1		-	-	- 1	**	1	-	÷	+	-	- 10	- 1	- ;	- 1
Males			1	_	1		:		:	1	1	i	-1	-	1	1	+	- ;	1	Hemorrhage of Kidneys.	-1	-	:	+	+	-		-	-	-	-	-	÷	-	1	1	:	
Females		:	1		1	- 1	. :		1	17	:	1	1	- 1		1	1	-	1	Hemorrhage of Liver		-		+	- 3	4	-	1	:	1	:	- 1		-:	7	-1		1
Total		- 3	1		*	-	-		1	- 1	- 1	1	*	1		20	01	1	-	Hemorrhage from Noso	ij	-	-	-	-	- 1	-	-	÷	÷	-	-:	-	-	. :	-;		1.5
Males		-	-		:	-	-		1	- 1	-:	1	00	1		O1	=	i	1		;	7	7	-	- 1	_	-	-	:	1	÷	+		-	·	- 1	:	. :
Females		1	- ;	_		:	:		- 1	4	:	d		1		-	-	i	-		1		-	+	- 1	_	i	1	1	-	-:	-	-	+	-	- 1	:	- 5
females		1	;	_	:	-	. 1		- 1	- 1	:	i	-	i	;	-	01	1	1	Hemorrhage, Puerperal	1	+	;	+	-	-	-	-	1	-	-	+	Ť	÷	. 1	-1	-:	- 1
Males		1	- 1		1	:	;		. !	1	1	;	1	-		-	1	i	1	Hemorrhage, Spinal.	1	_	1	1	- 1	_	-	-	÷	1	÷	+	+			-	- 1	- 1
Males		:	-		1	- ;	. (		1	:	- 5	-:	64	_		-	-	01		Hemorrhage of Stomach	-1	1	-	1	- 1	_	-		:	=	-	<del>-</del>	1	-	-1	- :	- :	-:
Females		1	-		:	;		-		- ;	1	1	1	60	-	_	1	1	1		1		:	:	-		-	1	-	-	:	÷	÷	+	1	-	- 1	- 3
Males		-	-		1	;	;		-	:		;	.04	-		_	-	i	1	Hemorrhage, Umbilleal	;	64	1	- 1	- 1	_		- 1	- 1	-	-	-	-	-	:	-;		
Fomelon			_	_					1		7	ĺ				_	-	-				-	_	_	_	-	_	_	-	_	-	_		_	_	_	П	

TOTAL	5 5	51	01		12 18	120	27	9	7	Hemorrhago		-	-	:	100	00		1
Keles							3	•	16		00			_		_		
Pomole		•		_		•			2	• • • • • • • • • • • • • • • • • • •					_			
Malos					_	_	9		;	Abdominal	•				_	1		:
	:	1	1	:	:	_	:			derning Abdominations	!			:	1	:	:	1
Females	:	1	: : :	1	:		:	-	-		1	÷	-	1	1	1	:	1
Males	1	1	1	1	-		1	-	1	Hernia of Bowels	-	1	11	1	1		1	1
seltM	1 1 1	1	1	1	-		- 1	1	1	Hernia, Irreducible Scrotal	i	1	•	:	1	1	1	:
Females	1 1	1	1	:	1		1	1	1 6	Hernia of Lungs.	1	- 1	•	1	1	1	1	1
Malos	:	1 1	1	1	-	-	-	i	1	Hernia, Umbilical	1	-		1	1	1	1	1
Females	1 1	1	1	1	1	DX.	1	1	1		1	1	-	- 1	1	1	1	1
Total	1 1 2	2 2	9 9	1	16 17	7	8	7	20 E	Hernia (Unspecified)	9	7	1		1	04	-	7
Males	3 3	1	1 1 2 2	1	10 13	90	18	7	7		99	-	1	-	1	-	-:	
Females	. 1 1	04	1 1 1	1	9	*	7	*	ø	,,	94	+	1	:	1	-	1	64
Males	1 1	1 1	1	4	-	-	:	i	1	Hiccough.	1	-	•	1	1	1	1	:
Total	1 1 2	1		*	10	7	6	00	63	Hip Discase	1	01	-	:	-	1	-	:
Males	1 1 1		1	1 20	20	-	773	01	93		1	-	-	:	-	1	1	1
Females	1 1	1	:	1	89	1.8	9	-	1		-	-	+	i	-	1	1	1
Females			1	-			1	1	1	Hip, Dislocation of	1	+	•	-	1	1	1	1
Females	1	1	1	1	-	1	1	İ	1	Hip, Injury of.	-	-		Ť	1		1	1
Males	1	1	1	1	-		.1	1	1	Hip, Ulcerated	i	1	+	†	1	1	Ť	1
Males	:	1		1	-	- 1	1	1	- F	Hives	-	:	•	1	1	1	1	1
Total	1 .	1 1 1		:	Q4	90	7	10	8	Homicide	!	+	•	1	+	-	1	1
Males	1 1	1	1	1	-	00	7	00	1	*	1	+	*	1	1	14	1	1
Females	-	1	1	1	-		i	01	-		1	-1	+	1	:	-	1	1
Malos	1 1 1 1 1		1	:	-	•		1	1	"Hung Himself"	1	÷	1	1	1	1	:	1

TABLE XVII.—Continued—. Specified Causes of Death.

100 to 15    100	- 1			-	NO.	MONTH	00	1878.	95			1				YEARS	<u>,</u>		Ī				AG	AGES IN PERIODS OF YEARS,—1878.	N.	F	SRI	OD	0 8	B	EA	ES.	Ĩ	20	
Hydrocele   Hydr	.Yanuary.	February.	March.	.lirdA	1 May.									1					'erer	CAUSES OF DEATH.	Under 5.	01 01 6	10 to 12.								.05 to 60.				
Hydrocephalus, Congenital  Hydrocephalus, Congen	- 1					N.	-	_		_		_	į	1	1	-	1		-	Iydatis	1	-7	_ 1	7	_	_	_		_			_	-	-	
Hydrocephalus Congenital   1	Males			13	-	- 1		_	_	-	_	- 1		-	1	-			16	Tydrocele	1	- ;	- 2	- 3	7	-7	-:-	_			- 1	- 1	÷		
1   1   2   2   4   6   4   Hyltrocephalus   6   4   6   4   Hyltrocephalus   6   4   6   4   Hyltrocephalus   6   6   6   6   6   6   6   6   6	Males		_	7	1	1		_	_	_	_	<u> </u>	J.	1	1	:	16.		1	Iydrocephalus, Congenital	1	1	:	-1	1	4	_		_		- 3	_	_	- 6	
1	Total		_	_				_	_	_	_	_		9	9	40	4	9	7	Iydrocephalus	9	1	- 1		_	1	-	_	_	_	- 1	1	÷	-	
Hydrophobia   Hydrophobia   Hydrophobia   Hydrophobia   Hydrophobia   Hydrophobia   Hydrophobia   Hydrophobia   Hydrophobia   Hydrophobia   Hydrophobia   Hydrophobia   Hydrophobia   Hydrophobia   Hydrophobia   Hydrophobia   Hydrophobia   Hydrophobia   Hodgerton   Hydrophobia   Hy	Males		-	_		- 1	-	-	_		-	_	-	7	10	10	00		01	**		*	- 1	1	1	4		-	X	- 2	- 1	1	-	- 4	
1   1   1   1   1   1   1   1   1   1	Females			_		- 3	-	_	_	_	_		-	D	-	G#			04		64	1	- 1	_	_	_		_	_	_	1	_	-	-	
1   1   1   1   1   1   1   1   1   1			;			-	- 1	:	•	-:	-	-	1	:	-;	1	-		-	Iydrophobia	1	1	1	1	+	1	-		-:		:	:	1	-	
1   1   1   1   1   1   1   1   1   1	Females		13			1	-	-	_	_	*		1	1	1	1		24	-	Iysteria	1	F	1	1	1	1	- Y	1	-	- 1	_		-	-	
1   1   1   1   1   1   1   1   1   1	Males		_	_		1	7		_	_	_		1	1	-	-	:	ď	-	ced-water, Drinking of	-	. 1	÷		1		_		-	_	:	1	_	-	
1   1   1   1   1   1   1   1   1   1		_		_			-		1	_	_	_	1	:	-	1	1	1	-	cterus, Infantum	1	1	:	-1	Ĥ	-	-4	-	_		- 1		_	-	
2 Indigestion 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				_	_	1	-	-	_		-	- 1	-	1	-	T	:	+	-	mpacted Frees	1	1.	- 1	1	_		_	_	-	- 1	- 5	_	_	-	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Total	_	_	_	1		-	-	-	_	_	_	-	100	:	*	- :	1		nanition	80	Ť	:	1	_		_		_	_		_	- 1	- 1	
I I I I I I I I I I I I I I I I I I I	Males			_	_	-1	-	-	4	-	_		1	01	- 1	Q+	-:-	1	-		C4	- 1	:	1	-		_	_	_		- ;	_			
2 Indigestion. 1 2 3 3 2 Indigestion. 1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Females		_			1	7	-	_	_	_	_	-	-	1	01	:	:	-	н	1	1	-	-1	_	_	_		_	_	- 0		_	- 1	
Infanticido  Infan	Males			_		1	-	_		_	_			01	04	64	00	0.9		ndigestion	-	- 1	1	1	- 1	1	-	-	- 1	_ 1	- 1	- 1	-0	-	
Infanticido  Infanticido  Infanticido  Infanticido  Infanticido  Infanticido  Infanticido  Infanticido  Infanticido  Infanticido  Infanticido  Infanticido  Infanticido  Infanticido  Infanticido  Infanticido  Infanticido	Females		_			1	-	_	- 1	-		_	-	1	-	Q*	-	99	-		1	1	1	1	-		-	_	- 1	-	. ;		_		
7 2 2 2 3 1 3 4 4 31 24 25 56 Infantile	Males			_	_	1	-	-	_	_	_	_	_	1	-	93		01		nfanticido	- 1	1	- ;	+	_		-		-	- 1	-1	1	- 3	- 2	
7 - 8 2 2 2 3 1 8 4 4 - 31 24 35 64 25 56 Infantile	:		_	_		-	+	_	_	_	_	_	- 1	1	64	20	*	1	-		1	- 1	÷	- 1	-	1	-	- 4	- 1	- 1	-	- :	-	-	
7 8 2 2 2 3 3 3 4 4 31 24 35 44 25 56 Infantile 31	-		;	- :	_	i	- 1	_	-	_	_	_	_	- 1	- 1		-	-		=		- 1		_	_	_	_	_	_		- :	_	- :	- 1	
		_		00	_	01	_	00	-	83	-	-	_	15	P.7				99	nfantilo	53	- 1	_				_	_	_					-	

emales	4	1	61	-	:	=	-	=	10	13	8	17	97		_	23 Infantile	0.000	19		:	Ť	÷	-		1		:	:	
Inknown.	;	- (	- ;	-	:	•	1	:	•	1	1	į	-	1	1			1	-:	:	1	:		;	1	•	- 1	-	- :
rotal	61	9	40	9	- (	01	**	00	P1	60	88	83	37	38	83	3 Inflammation	na tion	11 12	04	60	04	69	7	+	- :	- 1	64	1	F
Malos	- 1	Ø.	21	1	- 1		-	-	04	9	6	10	81	84	15			-	_	į	÷	-	7	H	- :	- 1	-	1	:
emales	1	4	80.	60	- 3	Q1	10	63	1 1	- 55	18	18	15	16	18	*		7 1 2	-	93	01	C1	- 1	1	+	- 1	~	:	-
Males	1	- 1	1	91	1	-	- 1	7	-		1	1	*	7	Ä	10 Influenza	¥2	:	1	1	- 1	+	1	1	+		:	- ;	1
Females	1	-1	1	•	1	-0.4	- 1	- 1		-		1	21	-	_	94		1	1	. 1	Ť	+	:	- 1	:		-1	- ;	- t
Fomales	- 1	- (	- 1	1	1	- 10	1	1	-	-1	:	1	1	4	1	Inhaling	Inhaling Steam from Tea-kettle	1		.;	÷	1	- 1	-1	1	10.5	- }	- 1	- 1
Males	1	ï	- 1	- ;	1	- 7	1	1	- 0	1		1	- 1	1	J	Injured.	Injured Limb	-	- (-	- 1	i	1	- 1	1	1	1.5	- ;	- 1	- ;
Males	1	1	1	1	1	-1	1	1	:	1		i	-1	-	- !		Injury, Internal	-	-0	1	3	- :	- 1	1	1	1	1	1	
Males	1	1	1	1	1	-	:	+	1	1	-	1	- ;	1	1	Injury -		1	:	- 1	-	1	4	1	1		4	1	1
Femalos	1	1	1	- 2	- }		- 1	- 1	1	1	.1		1	1	1			1	1	1	i	1		1	4	15	1	- 1	- 1
Fotal	-	Q)	-1		1	-	- 1	-	24	1 11	17	123	80	-	-	12 Insanity	A		64	1	- 1	04	60	- (	:	64	-	- ;	- 1
Males	-	64	:	- 2	F	-		-	-	1	8 10		*	-				-	-	1	-	03	01	- 1	-	-	-	1	14
Fomalos	:	1	1	-	- 1	-	- 6	-	-	1		9	4	9	_	2 20		1	-	1	Ť	1	-	1	:	- 1	1	1	- 1
Total	1.	1	04	01	-	*	-	1	1	1	9	30	6	13		Il Intemperance	crance	1		- 1	i	1	01	-	-	-	- 6	- 3	= (
Males	1	1	61	- 1	-	×	1	- 1		- 1	9		00	53	-			:	4	-	i	1	-	-	-	- 1	- 1	- 1	- 1
Females	1	1	- 1	01	-	*	-	- 5	-	-1	*	2	-	01	1	*		1		1	i	1	_	-1	1	-	1	1	-1
rotai	-	00	. :	-	4	4	40	04	01	81	16	53	14	16	-	16 Jaundice.	9	6 9	1	63	1	1	01	H	01	- 5	-	- (	1
Males	1	O)	1	-	1	10	20	-	1 1	-	=	35	7	-	_	2		1	. 1	91	1	- 5	-	-	Gy.	1	-	1	
cmales	;	-	1	- 1	1	-	<b>G</b> 1	-	ल	:	20	00	7	6	-			01	:	-	1	1		-1	4	-	13	1	:
Fotal	:	01	00	00	-	24	10	4	-	-:	55	65	11	7		16 Kidney,	Kidney, Bright's Disease of	1 1	-	п	01	64	01	1	50	20	4	213	æ
Males	:	0.9	60	01	1	m	00	-	- (	- 38	-53	18	10	6	=		, ,	1 1	G)	m	04	-	63	1	00	01	*	00	H
emales	-	1	1	1	1	-	61	1	-	9	12	*	-	5		3	; ;	1	-	1	1	-	01	1	÷	~	:	- 1	- 3
fotal	61	21	01	01 2	10	-	9	6 4	-	99	42	46	83	8	750	Kidney	Disease	8	60	П	00	-	64	~	00	80	23	00	-
Males	2	7	CH	90	-	10	*	20	10	20	35	52	8	20	25		"	11	60	-	7	-	Ġ,	-	-	8	10	00	;

. Includes 2 Epizootic.

TABLE XVII. -Continued .- Specified Causes of Death.

	Insummed I		1	4								-								- 4	
	S0 and over,	-	:	:	1	1	-	-	-	-	:	-	-	-	:	1	1	-	-	-	-
	'08 01 91	:	-	-	1		-	1	i	-	:	1	:	1	-	1	- 1	1	-	-	1
18	1 70 to 75.	24		-	;	1	:	-	-	1		1	-	-	i					1	-
-18	.07 03 58	1	1	4	1	1	-	1	1	-1	1	1	1	1	-	Ť	-	-	-	-	1
00	.60 01 00	-	-	04	1	1	-	1	1	1	:	1	1	1	-	-		:	-	4	1
AR	.09 01 20	~	1	-	1	:	1	1	1	:	1	1	- 1	:		1	-	-!		1	:
YE	.66 01 06	:	1	:	:	1	:	-	1	1	:	:	1	-	1	-	-	-	-	:	
4	.00 ot 64	1	1		:	- ;	1	:	1	1	1	-	1	1	-	1	-	1	1	-	1
00	.64 of 04	H	1	:	1	1	1	1	1	1	:	1	1	1	:	-	1	1	1	1	1
GO	1 35 to 40.	20	:	1	:	1	:	:	:	-	:	1	;	1	1	;	1	-	:	1	1
AGES IN PERIODS OF YEARS.—1878.	.68 ot 08	0.4	1	1	1	-	1	1	1	;	1	1	- 11	1	:	1	. 50		:	1	-
4	25 to 30.		1.	- 1		-	1	- 1	1	1	:	-1	1			1	1	1		-	1
IN	20 to 25.	- 1	-1	- 1	1	-	-;	:		1	;	-	- 5	1	1	1	1	1	:	-	
100	15 to 20.		1	- ;	1	1	- 1	:	4	1	1	1	1	- ;	1	1		4	1	1	1
AG	10 to 15.	60	1	1	- 1	-	- 1	- ;	-	- 1	:	;	-		1	1	:	1	- 1	- 1	- 2
	.01 01 6	. :	1	61	1	-	-	- 1	-	1	:	-	1	1	1	-	:	- ;	-	- ;	1
	Under 5.	61	1	-	1	-	1	1	-	1	-	-	1	1	1	1	1	1	1	-	1
	CAUSES OF DEATH.	Kidney Disease	Kidneys, Enlargement of	Kidneys, Inflam. of	" " " " "	Kidneys, Ulceration of	u u u	Kine-pox	Knee Joint, Dis. of	Knee Joint, Inflam. of		Laryngitis		Lead Poison	Leg, Diseased	Leg, Inflam. of	Leg, Loss of	Leg, Ulcer. of	H 10 10 10 11 11 11 11 11 11 11 11 11 11		Leprosy
	1818.	6	-	11	*	1		1	1		1	-	04	1	1	-	1	04	-	CH	1
	77281	10	1	12	-	1	1	1	1	1	1	1	1	1	1	-	-	1	1	-	-
ns.	1875.	6.0	1	11	-	1	-	-	1	-	7	04	1	1	-	01	1	-	1	1	-
YEARS.	.9781	0	1	9	*	-	1	1	-	1	1	1	1	1	91	1	1	1	1	1	1
	'Ltst	-	1	90	01	-	-	1	1	1	-	1	1	-	1	1	-	1	1	1	1
	18781	16	;	133	1		Ä	1	1	1	1	1	04	1	i	1	1	01	-	-	1
	Ппкпожв.	1 :	-	-	-	-	1	- 1	-	-:	1	:	1		1	-		4		4	-
	December.	01	1	01	-:	,	:	-	-	-	-	-	-	-	-	1		1	-	1	
	November.	-	:	-	-	1	-		1	-	-	1	-	1	1	-	-	-	1	-	10
	October.	-	-	04		;	1	1	:	1	1	1	:		:	-	:	:	:	1	1
1878.	September.	1 04	1	1	:	1	;	3	:	:	1	4	:	1	- 1	1	:	1	1	4	1
118	August.	1	1	1	1	:	3	- 7	- 6	1	10	- 5	1	3	1	1	1	0		1	12.
н8,	July.	20	-	01	1	1	1	1	:	19	:	1	:	1	- 1	1	1	1	:	:	1
MONT	June.	1 00	1	01	1	:	1	- 1	1	14	1		-	1				1	1	;	1
Mo	May.		1	01	-	:	. 1	1	:	1	1								1	. ;	1
-	-thuck	1	1	-	-	1		3	1	1									1	-	- 1
1	March.	-	-	C.	- 1	- 1	-	- 1	- 1										\$	-	1
	Pebruary.	01	*		1	-:															
- 11	January.	1. 1		1	1																
	SEX.	501		Î																	-

Females	Total       1   1	1	-	-	-	-	93	5	-		-	10	9	9	20	9	9	5 Lightning	<b> g</b> qju	:	1	:	7	-	01	-	÷	+		5	1	1		1	
1   1   1   1   2   1   2   2   1   3   4   4   5   5   4   4   6   6   6   7   5   Liver, Effects of	Malea	!		-	1	-	1	01	-		4	00	89	9	04	10	01			i	-		_			_	_	1	1	-	i	:	÷	11	
Maloa         1         Liquor, Effects of         2         1	Females	- 1		- 1	7	:	-	.:	:	- ;	-		G4		-	-	63		·	;		_			- 1			:	1	1	-1	i	-	1	
National	Males	;		_	:	-1		1	1	4	+	1		÷	-		4	Limb	, Ulcerated	;	_		_		1	_		+	1	1	1	:	÷	- (	
Malea	Malos	1		-1	:	1	- 3	-1	_	17	1	1			-1	19.	13.	Liqu	or, Effects of	:	_				- 1		_	1	1	- }	1	÷	1	;	
Females		-	1	1	;	1	01	_	-			-	9	9	.0	7	10	Live	Abscess of	;	_		_	_	_	_	_	-	-	-	Ť	:	÷	:	
Wales         1         1         2         2         5         1         1         1         1         2         2         2         5         1 <th>Males</th> <th>-</th> <th>1</th> <th>-</th> <th>1</th> <th>- 1</th> <th>7</th> <th>-</th> <th>_</th> <th></th> <th></th> <th>00</th> <th>•</th> <th>7</th> <th>99</th> <th>G1</th> <th>*</th> <th>:</th> <th></th> <th>i</th> <th>-1</th> <th></th> <th>_</th> <th></th> <th>_</th> <th></th> <th>_</th> <th>_</th> <th></th> <th>-</th> <th>1</th> <th>1</th> <th>:</th> <th>:</th> <th></th>	Males	-	1	-	1	- 1	7	-	_			00	•	7	99	G1	*	:		i	-1		_		_		_	_		-	1	1	:	:	
Total	Females.	1			1	1		_				-	64	01		10		•	:	į			_	_		- 1	_	_		- 1		i	÷	71	
9 6 6 7 11 9 9 8 9 1 87 77 62 78 70 93 Liver Disease 15 15 1 1 1 2 8 1 4 8 9 1 8 7 7 7 62 78 70 93 Liver Disease 15 1 1 1 1 2 2 1 1 4 1 2 2 1 2 1 2 1 2 1 2	Males		1	1	-1	-	-	1	:	1	1	04		1	1	-40			, Consumption of	:		_	_	_		_	:	-	1	:	1	-	ij	- 1	
9       8       8       4       45       42       40       40       41       41       42       43       44       45       44       45       44       45       44       44       45       44       44       45       44       45       44       45       44       45       44       45<	Total		1-	9	9	9	7 11	_	_	_	6	87	11	69	78	76	93	Liver	Disease	;	-1		_		_	-	9	4 15	7	=	-	-	:	-	
9 8 8 4 6 b 4 2 2 1 4 1 32 20 36 44 "" " 10 1 2 2 1 3	Males		*	1	100	00	60	*	40	9	1		_	-		40	6			į			_		-	*		04	7	90	91	-	1	:	
1 2 1	Females	-	02	6	63	00	9	_		_	23	=	63			36	7			i	-1	1	-			_		9	1	63	10	00	-	-	
1 2 1 1 2 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1	Total		1	1	-	01	-	_	1				=	21	9	9	4	Liver	Enlarg'tof	;	-1	_	_	_				-	:	- 1	;	-	÷		_
1 1 1 1 2 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1	Malea	1	1	-1	;	04	*	-1	-1		_	60	9	7	00	7	04	:		i	-1		_	_	- 1		_	-	:	1	- ;	-	Ť		
1 2 1 1 2 1 1 1 1 1 10 Liver, Fatty Degen. of 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Females	- 7		- 1	-	:	-	1	_	1	+	01	40	10	62	G4	54	Ì	***************************************	;	- 1			_	:	_		+	1	1	- 1	1	÷	- 1	
1 2 1 1 2 1 1 10 6 7 7 11 10 Liver, Inflam, of	Males	- 1	_	1	-1	;	_	- 1	1	-	_	-	-9-	. 1	3	- *	-	Liver	Fatty Degen. of	i	- 1	_			1			1	1	:	:	-	1	1	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Total			-	64	- 1	-	C.	-	1	1	-	•	7	10	F	10	Liver	Inflam of	i				_				1 1	-	01	-	÷	÷	1	_
1 1 1 1 4 2 6 6 6 6 1	Males	_	_	-	-	1	-	-	1	-	1	9	-	04	94	-	10	2	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	:	_		_	_	1		_	1	1	01	-	i	÷	1	
Liver, Ossification of  Liver, Rupture of  Liver, Rupture of  Liver, Rupture of  Liver, Rupture of  Liver, Rupture of  Liver, Liver, Cliner, C	Females	- 1		- 1	-	1	-	-	_		_	7	-01			4	10	2		i	į,				_	_	_	-	-1	:	i	1	i	:	
Liver, Scirrhus  Liver, Scirrhus  Liver, Scirrhus  Liver, Scirrhus  Liver, Clicer, of  Liver, Tumor on  Liver, Tumor on  Liver, Tumor of  Liver, Olcer, of	Malos	-	- 1		-	1		_	1	1	+			1			1		Ossification of	į					-:	_	_	+	1	:	-	i	:	;	
Liver, Scirrius	Females	1	1		-	1	_	-	1	1			•		1	- 6	1	Liver	, Rupture of	i	_				- 1	_	_	-	1	:	1	1	1	:	_
	Females	1			- {	1	_	_	_	1.1	1		•		4.		-	Liver	Scirrhus	:	- 1	_			1			1	1	1	:	:	÷	1	
1 Liver, Ulcer. of	Males	1		-	1	1		_	1	- 1	1		100	1	-	-1		Liver	Tumor on	;	-1		-		1	_	_	-	1	- 1	1	i	÷	-0	
	Femalos	- ;		_	4			_	:		_			-	.:		1	*	=======================================	:	-				- 1			1	1	1	i	1	1	:	
	Total	- ;		+	i	1	_	_	-	-	;	*	O.	*	-	-7	-	Liver	Ulcer. of	;			_		1			1	- 1	ı	-	01	-	:	
	Males	1	;	1	:	_	-	41	1	-	:	63	Q4	54	- 1	,	40	*	:	•	1				:		_	1	1	:	-	04	+	÷	
(emsles	females	1	1	-1	- 1	_	7		1	;	-		•	G1	-	•	-	÷		:	1	- 1	- 1	;	1	1	1	-	: :	:	1	:	-	:	

28—187S.

TABLE XVII.—Continued.—Specified Causes of Death.

1	Unknown.	1	1	1	1	1	1	*	01	Ot.	- 1	:	1	1	-:	4	-	04	01	- 1	1	*
- 4	SO and over.	1	1	1	1	3	1	-	10	24	+		-	1	4	1	- 1	1	40	- 3	1	1
3	1 75 to 80.	1	1	:	1	:	-	1-	10	-01	10	-	1	:	- 1	1	1	2	1	1	1	-
YEARS1878.	1 70 to 75,	1	7	1	-	1	1	10	00	70	-	1	1	1	1	-	:	1	-	1	1	1
7	1 65 to 70.	-	-	+	-	:	1	22	10	10	-	1	-	-	:	1	- 1	1	-	1	1	-
00		- 1	-	-	1	1	-	-	60	46	-	-		-	1	-	-	-		-	_	-
AR	.60 to 65.	-	-		- 1		1	39	-		-		-	_	1			1	-	-	3	-
M	.05 to 60.	1	1	1	1	- 1	1		-	0	-	-	1	1	-	1	-	-	1	À	1	1
	.66 to 55.	1	-	- 1	-	1	1	-	00	-	;	-	1	7	-	;	1	-	19	:	-	1
O	1 45 to 50.	A.	-	-	1	1	1	F.o.	60	4	I	1	1	-	-	1		1	T	1	1	1
So	40 to 45.	-	;	1		- 3	-	-	-	00	:	-	1	-	1	1		- 1	1	:	1	4
101	105 01 68		1	-	:	1	1	60	-	01	-	:	:	1	1	1	1	-	:	1	1	1
PERIODS OF	1 80 to 35.	1	:	:	:	1	1	-	03	100	1	1	:	:	;	4	:	7	1	1	1	1
	1 25 to 30.	-	1	27	1	1	:	- 1		:	-		1	1	:	1	1	1	1	1	1	7
Z	1 20 to 25.	-	-	-	1	1	1	10	00	01	1	1	1	-		1	:	70	2	1	:	-
AGES IN	-	:	1	-	1	-	-	4	01	01	1	1	1	:	:	-	1	*	1	-	2	-
O	15 to 20.	_	-	-	_	_	-	10	99	O.I			_	-	1	- 0	-	-	-	-	4	-
4	1 10 to 15.	-	-	7	:	1	1	10	01		-1	- +	1	1		- 1	-	-	-	-	1	-
	.01 01 6	1	:			:	-	_		10	1	-	:	:	1	1	-	10	-	-	4	*
1	Under 5.	1		1		1	1	78	4	50	1	-	-	-	1	1	1	(D)	-	-	1	1
	CAUSES OF DEATH.	Loss of Eye	Lungs, Abscess of			Lungs, Apoplexy of		Lung Disease	" "	0 0	Lungs, Neuralgia of	Lungs, Paralysis of	" " "	Lungs, Ulcer. of		" " " " " "	Lupus	Malformation	" .		Manin, Puerperal	Mania
	1873.	1	01	01	1	-	1	173	16	-16	1	1	1	i	1	-	-	9	4	C.	1	-
	1874.	1	4	62	1	1	1	205	126	7.0	- 10-	1	1	1	1	1	-	60	-	80	-	1
100	1875.	1	01	01	1	-	-	193	121	72	1	1	1	-	1	1	1	4	61	0.5	1	1
YEARS.	1876.	-	4	00	-	1	1	192	110	62	-	-	1	64	-	-	1	6	-	01	1	0
	.7781	1	200	-	04	-	;	130	83	57	1	1	1	1	1	1	1	10	*	-	1	-
-	1878.	1	9	99	60	1	1	180	97	833	1	1	1	-	00	-	1	F	-	19	1	-
	9491					1	-	-	-		- 1	-1	_	-	_	_	,	-	-	-	-	-
1	Unknown.	1	1	i	- 1	;	-	- 1	-	4	- 1	1	i	- 1	- 3	- 1		- 1	- 1	-	- 1	3
	December.	1	-	:	-	1	-;	8	53	16	:	- 1	1	O.F	-	-	-	- 1	:	3	-	-3
	November,	1	00	G4	-	-	1	16	00	90	4		-	1	1	1	-	.04	24	1	- 2	+
	October.		4	:	1	1	:	21	10	1	1/2	0	1	1	-	1	-	-	1	2.	4	1
1878.	September.	:	:	:	1	1	1	11	7	4	4	1	+	-	:	1	1	-	1	-	4	1
4	vasnanv	1	:	1	1	3	1	15	01	2	12	7	:	1	-	13	1	-	2	-	1	-
tr2	July.	-		,		-	+	=	8	00	120	3	1	-	181	75	700	1	1		-	7
LH			-	-	-	-	-	-	9	9	-	-	-	-	-	-	-			-	-	-
N	June.		-	1	1	1	- A	51 12	_		-	1	-	-	-			-	-			-
Момтня,	May.	1	-	-	-	-	:	15	9	3	11	4	2	1	1							
	April.	- 1	19,	1	7	-	1	01	-1		-	10										
	March.	1	- 1	1	1	27					25				- 1			-				
	Pebruary.	- 1	2	1																		
	January.		-	3																		
	SEX.	Males	121	100																		

		1	1	1	1	3		2	01	$\frac{1}{1}$		61	60	1	1 Mania	1		7	1	1 11 11	1	1	3
	8	100	1	1	60	1	-	-	9	=	90	99	œ	10	10 Marasmus		: :	- (	1	:	:	1	13
	-	-	4	1	1	1	1	:	-	8	40	*	00	9		-	1	;	1	:	1	1	- ;
	1		1	1	00	1	-	1	10	•	. 03	74	10	7		*	1	1	1	1	1	1	
	(3	1	7		1	1	- :	1	1	-		;	1	-	Mastold Bone, Dis. of	;	1	-1	1	1	1	1	. 7
	92	7	1	-	-	- 01	01	-	16	62	18	134	97	245	Measles	6	1 1-		1	1	:	1	
	01	01	-1	1	-	-	-	1	œ	33	26	61	117	100		9	7	-	1	1	- :	1	4
	-	64	-1	1	1	64	;	4	90	13	65	22	8	136		64 KG	1	- (	1	- 1	1	- }	-4
#	:		1	:	1	1	-	- 1	1	1	64	• ;	;	1	Melancholia	1	1	÷	1	1	1	1	-7
	1	1	1	1	1	1	1	1	1	4			- 1	21		1	1	1	1	1	+	1	:
Kales	1	1	- 1	:	1	;	:	1	1	1	-10	1	;	1	Melanosis	1	:	_1	1	1	1	1	- 3
Malos	-	1	:	1	4	1	1	1	-	G+	4	F	. ;	-	Meningitis, Cerebral	-	1	1	1	1	+	1	
Females	1	1	- 1	1		1	1	1	1	1	1	- 1	01	1		;	1	- 1	1	1.	1	1	
Total	1	1	1	1	1	-1	-	;	00	3	14	36	333	115 A	Meningitis, Cerebro-spinal	4	01	_1	1	1	+	1	
Males	01	1	- ;	1	- k	1	1	1	20	7	7	50	7	68			:	4	1	1	+	1	
Females	10	:	I	1	- 7	1	1	1	20	90	10	16	6[	26	: :	1 1	:	1	1	1	1	1	:
Total	4	1 3	04	00	Q1	60		:	87	39	30	88	09	166 A	66 Meningitis, Spinal	19 8	;	_1	1	-	1	1	-
Maics	124	~	-	01	-	01	01	- 7	15	50	10	51	85	16	и и	11 1	1	1	1	:	+	1	- 5
Females	7	-	C)	-	7	-	:	1	13	19	05	17	64	20		04 00	;	3		1	1	1	-
Maies	:	†	-1	1	1	÷	- (	1	-	-	7	04	-	i	Meningitie, Tubercular.	-	1	- 1	1	1	1	1	
Females	1	1	1	1	4	4	1	1	1		1	1	-	1		1	1	:	1	1	1	1	
Total	1	94	-	1 2	H	1	1	1	10	=	10	14	10	7	Meningitis	7 3	1	া	1	1	1		
Malos	-	-	-	-	-	- 1	1	1	1-	7	4	2	02	40		9 3	1	· i	-	- 1	+	1	4
Females	- :		;	01	:	1	1	. 1	6.3	P	-	1-	01	01		01	1	. 1	1	1	1	1	- 1
Females	1	1	1	1	1	1	:	1	1	1	1		1	-	Menstruation, Excessive	1	1	1	1	1	1	1	
Fomalcs	1	1	1	-	1	-	1	- \$	04	1	1	1	+	1	Menstruation, Obstructed	1	1 - 1	1	:	1	1	1	
Females	;	1		:	1	4	1	1	1	1	-	-	1	-	Metro-peritonitis	1	1	1	1	1	1	1	4
		1			١		ĺ	I													l		1

TABLE XVII. -CONTINUED. - Specified Causes of Death.

1	Unknown.	1	- ;	-:	_;	- 1	1	-	-	- 1	- :	- 1	:	1	-	1	- 3	1	1		1	_ 1
	S0 and over.	1	:		1	1			1		1	1		1	1	i	:	;				-
18.	75 to 80.	1	-	-	1	-	1	-	-	1	-	-	-	1	1	-	-	i			-	
YEARS1878.	70 to 10.	1	-	1	-	:	- 1		- 1	1	-	:	-	1	1	-	:	:				
où i	.07 oz 58	1	;		1	:			-	:	:	:	:	-	:	1	:				:	
AB	.60 to 65.	1	-	:	1	:	:	. ;	:	:	:	1	1	:	1	1	:	-	-		1	-
I B	.00 01 55	:	- ;	1	- ;	- ;	;	- 1	:	- ;	1	-	1	-	1	1	- 1	-	-		:	-
OF	.66 ot 06	1	:	-;	- ;	- 1	-	:	;	1	- 1	:	1	- 1		:	1	:	:	:	- 3	-
8	45 to 50.		-;	- 3	- ;	-;	- :	- ;	-	-	1	. 1	- 1	1	- 0	:	:	:	:		:	-
O O	40 to 45.	-:	- 1	- 1	- 1	- 1	- 1	- 1	-	1	-	- 1	- 1	- 1	:	-:	-1	-	-	:		
PERIODS	.01 of 68	1	;	;	-	1	1	:	1	:	- ;	;	;	:	1	1	1	01	:	04	1	-1
	80 to 35.		- 1	- 1	-	- ;	- :	-	-	- ;	- 1	- 1	- 1	-	-	1	-	-	-	:	:	
K	25 to 30.		- 1	- 1	-1	- 1	- 1	- :	- 1		-:	- 1	-:	-	1	-	-	O.	-	-	1	
AGES IN	20 to 25.	-	- 1	-	-	- :	-	- :	- :	-:	-	-	-		-	:	-	-	-	-	- 1	
VG	10 10 20.	-	-	•	-	- 1	6	-	- 1	-:	- :	- 1	-	-:	:	-	-	-	- 1	-	1	-
130	10 to 15.	-	;		*	-	-		1	- 1	-	1	-		-	1	-	:	- 4	-	1	-
0	.01 or 0	- 1	-	1	-	- 1	-	*	00		00	-		-		-	01	-:	-	-	1	-
	Under 5.	1	-	1	1	1	1	;		1			1	1					-		1	1
	CAUSES OF DEATH.	Midwife-ry, Bad		Milk Leg (Phicg. dolens)		Mistake in Medicine	Mortification		Mouth Disease		" "	Mouth, Nursing Sore		Mouth, Ulcer. of	Mumps		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Murder	"""""""""""""""""""""""""""""""""""""""	" "	Navel, Disease of	Necrosis of Hip
	1873.	1	1	1	1	1	-	-	4	91	01	-	-	1	20	00	04	0	9	60	1	
	.4781	-	:	1	-	1	1	1	10	20	01	-	1	1	7	10	01	9	0	1	-	
90	1875.	1	1	-	00	-	01	1	4	G1	01	1	1	1	-	-	-	10	00	G4	01	1
YEARS.	1876.	1	1	-	04	1	-	-	7	7	03	-	04	1	9	70	20	6	8	1	1	-
	.7781	-	-	:	00	1	1	-	04	1	04	T	1	Ī	*	20	-	6	0	*	1	1
	.8781	1	-	1	04	1	1	;	10	-	4	-	1	1	00	-	09	C:	2	4	1	F
	Unknown.	1	1	1	1	- 1	1	-	:	1	- 1	1	1	4	:	1	1	:		1	1	7
-11	December.	1	-	1	-	:	:	:	-	-	1	-	:	1	;	i	3	1	15	2	1	-:
	November,	1	- ;	1	1	1	1	:	-	:	-	-1	1	-1	:	:	*		1	1	-	-
	October.	1	1	:	+	-	;	:	1	1	1	1	1	1		-	30	10	00	01	1	-
1878.	September.	:	:	;	:	:	- 1	- 1	-	1	-	:	- 10	1	-	7	31	+	. 1	1	1	7
7	August,	-;		-1	-	-	- 1	+	- 1	-1	:	:	-	1	3	1	1	-	4	-	1	1
HS,	.vint.	-	1	1	-	-	- 1	- 4	7	1	-	1	-1	1	1	2	1	7	7	:	1	3
IN	l Jane.	1	1.	-	1	-	1	1	1	1	1	1	1	1	-	-5-	-	20	-	7	1	1
MONT	May.	-	:	:	- 1	1	1	;	:	1	:	1	1	-	-					1	4	
-	.IltqA 1	- ;	1	1	1	-	1	- 1	7	-		:	1									
	March.	1	:	-	-	-	-				1	1	i	E.								
	February.	-	-	1	1	-	-3															
	. Yannat 1	-	-	-	1	-																
	SEX.	Inles	emales	rales	-																	

	1	-		-	1		Necrosis of Temple Bone	1	1	1			1	****
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	+		м	1	1	Necrosis	1	1	1	1	1	1	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	:	+	-			_			1	1	1		1	:
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	1	-		i	1	Negloct		:	1	; ;;	:	!	
1 2 1		9	10	2	-	01	2 Nerve Disease	1 1 1	1	1	1		1	- 9
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		64	01	10		1		1	1	1	1	1	1	- 6
	1	7	60	4	H	69	2 24		1	1	1 1		1	:
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	+	+		1	1	Nettle Rash		- 1	1	:	1	1	- 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	1	- 1	1	-	-	Neuralgia in Head	1	- 1	1	1	1	1	- 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	10	19	4	9	-	4 Neuralgia.		1	-	1 -	1 1	1	
1 :: : : : : : : : : : : : : : : : : :	:	Q1	91	-	04	64		1	;	1	1	1	1	
Femalos	1	03	*	00	*	-		1	-1	-	1 1	. 1	1	- 1
Femalos	1	-	1	1		1	. Nightmare	1	- [	1	1	1	1	-
Fomales	- 1	-	- 1	,	-	1	. Obesity	1	-1	1	1	1	-	:
	- 1	1	-1	- 1	1	-	Obstruction of Veins of Neck	1	- 1	1	1	1	- 1	
37 51 53 43 35 51 59 48 56	70 1	679	89 48	183 373	8 428		428 Old Age	1	1	-	1	1 10 37 91	131 305	10
Males 18 15 20 31 23 19 16 21 26 17 33 38	92	186	248	928	8 195	5 226	, , , , , , , ,	1	- 1	1	:	1 4 17 50	61 145	60
Females 19 19 17 23 30 24 20 27 33 31 23 33	 64 60	208	241 255	5 155	5 233	3 202		- 1	1	- 1	1	6 20 41	70 16	160
Males	1	+	-	-	1	1	Opium	1	-1	1	1		1	
1 1 1 1 1 1 1 1 1	1	1	+	-	-	1	Opium Eating	1	1	-	1		-	- 1
Females	1	1	+		-	1		1	. 1.	1	1		ì	
Malos	1	1	-	. !	- 1	1	Osteo-sarcoma	1	1	1	1		1	4
Females 1	1		1	1	1		Ovarian Discase	1	1		1	1	1	1
Females 1	1	1	1	i	İ		Ovarian Dropsy		1	:	1	1	1	1
Females 1 2 1 1	-	9	10	99	9		3 Ovarian Tumor	1	01	1	-		•	1
Females	1	1	1	1	•	-	Ovarios, Rupture of	-	1	1	:	1	1	1.5
Females	- 1	1	-	1	1	- 1	Ovaritis, Chronic	1	1	1	:	1	!	
			-	1										1

TABLE XVII.—Continued.—Specified Causes of Death.

PERIODS OF YEARS.—1878.	25 to 30, 26 to 35, 40 to 45, 40 to 45, 45 to 50, 60 to 65, 60 to 65, 60 to 65, 60 to 65, 70 to 70, 70 to 75,	61 1 1 1 1 1 1 1 1	01					1 1 1 1 1 1		1 1 2 1	1 1 2		1 1 1 1 1				2 5 5 5 11 14 19 16 36 42	1 3 2 2 5 9 9 10 24 21	1 2 3 3 6 5 10 6 12 21	֡֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜
AGES IN	Under 5. 5 to 10. 10 to 15. 15 to 20. 20 to 25.	54		1									1				6 3 2 2 1	61		
	CAUSES OF DEATH.	Over-dose of Medicine			Over-lifting, Strained by	Over-work		Over-work and Exposure	Pancreas, Enlarged, Rup. of	Paralysis, General			Paral. of Insane, General	Paralysis, Rheumatic	Paralysis of Stomach		Paralysis	,		
	1813	7	00	-		-	Ī	7	1	-	7	1	-	-	-	1	170	8	88	
	.4781	1	1	1	1	1	1	1	-	O1	64	-	1	1	1	-	169	98	2	
R8.	1875.	90	*	4	1		1	1	1	-	-	1	1	-	-	1	170	88	81	
YEARS.	,978I	7	40	1	1	-	1	1	1	00	60	1	1	1	1	1	230	197	103	
	.7781	1-	4	00	-	-	-	1	1	1	1	1	-	1	04	-	244	132	112	
	,8781	œ	1-	-	1	1	i	1	i	10	•	-	i	Ť	1	Ì	237	150	111	
	Тикпомп.	-	:	1	i	1	1	i	:	-1	-	:	;	1	- 1	÷	7	- 1	-	
	December.	)	- 1	1	-1	- 1	-1	1	:	-	-	-	. 1	T.	- 1	- 1	30	16	=	
	November.	64	- 04	1	- 1	- 1	.:	:	- ;	1	-	- 1	1	1	- 1		23	=	=	
	October.	- 1	1	- 1	1	- (	1	- 1	- (	:	- 1	- 1	1	1	1	- 1	17	6	30	
s, 1878.	September.	-	-	:	:	;	-	:	1	- 1	:	1	- CI	-1-	- :	1	38	21	2	Ī
=	August.	01	C4	1	:	:	:	:	:	:	:	- 1	:	- 7	1	:	21	=	=	
	.Vint.	-	1	-	1	1	1	1	1	1	1	1			1	1	_	13		
Month	June,	-	-	- ;	- 1	1	:	1	1	- 2	- 5	-	1	-	-	1	7	- 12	D 11	
<u>5</u>	May.	-	1	:	÷	-	-	1	10	-	-	1	1		1	1	0	61	90	
<b>a</b>	.thiqA	-	-	:	_	_	1		-					3	_		64	6	6	
	Had	_	_		- A	-		1	- A.	:		- 1	- 5	1	1	16	=			
	March,	- :	_!	4	+	- 1	1	3	- (	44	C)	9	4	7	- 1	- 1	Ξ	D)	KG	
	February.	1	- 1	1	-0	- 1	- 7	1	1	1	1	1	V.	1	13	1	22	1	9	
- 1	January.	1	Males	4	- 1	-	0			1	Males	- }	- 1	Females	Wales	- 1	Total 17 13 14 18 20 14 24	9	Females 11	
		Fotal	- 1	Females	Males	Males	Females	Females	Females	Total	1	Females	Males	1	- 1	Females	:	Males	- :	

																. 7	000							
2 1 3	: -	-	1	-	- 1	-	1	1	1	1	1	-1	-	1	-	*	03	-	Y.	1	1	- 8	-	1
	1 )	1	1	1	1	1	1	7	:	- :	-	- 6	01	-	-	13	00	70	ŧ	_	-	1	1	;
	1	-1	1	- 1	- 1	-	-	-	-	1	1	1	0.0	01	-	=	40	-	1		1	1	1	1
1 1	1 1		- 1	- 2	- 1	1	01	01	1	-	-	:	-	-	1	133	7	9	- 5	1	-1		:	1
1 1	1 1	1	:	- 1	-:	1	-	-	1	1	. 1	:	-	4	00	31	50	=	1	1	1	1	1	1
1 1	: :	TIT	4	;	1	;	-	1	-	1	:	1	9	25	00	65	16	8	1	7	:	1	1	1
1 1	1 1	:	1	- 1	-:	4	-	1	-	01	-	-	00	KZ	00	25 25	22	21	1	-	-	1	1	1
1 1 0	: :	1	- 1	-:	-	.;	-	- 1	- 4	7	1	-	04	-	-	21	130	0	-1	1	- 1	-	:	1
1 1	: -	- 4	-	- 1	-	:	01	01	:	-	:	1	60	-	01	22	27	9	:	-	-	-	1	:
	: :	:	1	-	1	1	OX	1	01	1	1	1	-	-	1	2	***	11	1	-	-	-	:	1
	1 01	1	D4	-	-	1	-	-	:	1	1	1	00	04	***	=	00	00	1	-		-		
-	1 1	1	1	- 1	-	1	94	-	-		1	1	01	-	-	21	9	9	1	4	04	QL		-
11	. 01	-	-	-	1	-	-		-	-	1	-	1	:	,	=	01	-	-	00	00	1	:	-
	: 01	-	64	- 1	Ť	·	-	-	-	-	-		1.	-	60	16.1	10	9		-	-	:	i	i
1 1	-	-	1	-	-	-	-	-	-	+	-	-	9	-	0	14	10	*	1	63	-	01	:	÷
1 1		-	-	- 1	1	-	-	-	-	+	:	+	-	-	-	7	7	60	+	-	-	-	•	-
1	1	-	-	+	-	-	- 1	- 1	- 1	-	_	-	-	-	-		0	00	-	60	-	-	-	-
1 1	1 1	1	-	- 1	1	4	-	1	:	-	:	-	-	-	-	12		-		00	_	01	1	:
11	-	-	1	1	1	1	1	-	1	1	1	1	2	CI	60	202	118	84	1	00	_		1	1
Pericarditis	litis						· · · · · · · · · · · · · · · · · · ·			Picuro preumonia			neumonia, Typhoid	*		la							Prolapsus Uterl	
Pericarditis	Peritonitis	*	:	Phlebitis	Piles		Pleurisy		=	_			2	:		Pneumon	:	-	*	Poison.			Prolaps	Prolapsus.
Perion	9 Peritor		- 00	1 Phlebit	1 Piles	=	18 Pleuris	10 10	3	7 Pleuro	*	=	74 Pneumo	09	57	706 Pneumo	431	275 "	=	21 Poison.	13 **	6	Prolups	Prolapsu
Pericar	8 9 Peritor	2 3	8 8	1 Phiebit	1 l Piles	1		9 16 "		_	4 60		2	63 50	46 24 "	802 706 Pneumo		330 275 "	1			10 9	Prolaps	Prolapsu
Perlear	. 6	6 5 3	. 80	1 Phiebit	1 1 Piles	. 1	18	12 6 16 **		_	* * *		74 P		25 46 24 "	802 706 P	471 431	330	. 1	22		S 10 9	Prolups	1 Prolapsu
Perion	. 00	4 6 5 3 **	. 8 8	1 Phiebit	.8 1 1 Piles	- " "	14 15 18	9	6	_	. 4 8 4	60	S0 109 74 P	55 63	25 46	745 802 706 P	450 471 431	203 330	1	21 21			Prolaps	
Perion	8 13 8 9	* 4 6 5 3 **	. 8 8 . 4	1 Phlebit	1 1 1		19 14 15 18	12 6	6	_	4 8 4	60	48 80 109 74 P	27 55 63	21 25 46	627 745 802 706 P	364 450 471 431	263 293 330		19 15 21 21	6 7 11 12	13 8	Prolaps	
Perion	8 13 8	4 6 5 3 4	* 8 8 4	1 Phiebit	1 1 1		14 19 14 15 18	12 6	6	_	2 4 3 4	20	70 48 80 109 74 P	38 27 55 63	32 21 25 46	465 627 745 802 706 P	263 364 450 471 431	202 263 295 330	1	21 19 15 21 21	12 6 7 11 13	9 13 S	Prolaps	
1 Perion	8 13 8 9	5 4 6 5 3 **	6 4 4 7 3 8	1 Phlebit	1 1 1		19 14 15 18	12 6	6	_	4 8 4	60	48 80 109 74 P	27 55 63	21 25 46	627 745 802 706 P	364 450 471 431	263 293 330		19 15 21 21	6 7 11 12	13 8	1 Prolaps	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 13 8	5 4 6 5 3	6 4 4 7 3 8		1 1 1	1	14 19 14 15 18	12 6	6	_	2 4 3 4	20	70 48 80 109 74 P	38 27 55 63	32 21 25 46	465 627 745 802 706 P	263 364 450 471 431	202 263 295 330		21 19 15 21 21	12 6 7 11 13	9 13 S	1 Prolaps	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11 8 8 13	2 5 4 6 5 1	2 4 4 9	1 Phiebit	1 1 1		14 19 14 15 18	12 6	6	_	2 4 3 4	20	70 48 80 109 74 P	38 27 55 63	32 21 25 46	465 627 745 802 706 P	275 263 364 450 471 431	187 202 263 295 330		21 19 15 21 21	12 6 7 11 13	9 13 S	1	1
8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11 8 8 13	2 5 4 4 6 5 1	. 6 4 4 7		1 1 1		16 14 19 14 15 18	12 6	6	- 4 3 6 3 7	2 4 3 4	20	58 70 48 80 109 74 P	29 38 27 55 63	- 29 32 21 25 46	65 462 465 627 745 802 706 P	39 275 263 364 450 471 431	26 187 202 263 295 330		27 21 19 15 21 21	12 6 7 11 13	13 9 13 8		
	8 13	2 5 4 4 6 5 1	. 6 4 4 7		1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 16 14 19 14 15 18	12 6	1 7 7 7 2 9 2	- 4 3 6 3 7	1 4 3 4	04 E	5 58 70 48 80 109 74 P	8 29 38 27 55 63	2 29 32 21 25 46	58 65 462 465 627 745 802 706 P	31 39 275 263 364 450 471 431	22 26 187 202 263 295 330		27 21 19 15 21 21	12 6 7 11 13	1 13 9 13 8	1	1  1
3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 13 8	1 2 5 4 4 6 5 1	1 6 4 4 7		1 1 1		16 14 19 14 15 18	. 1 . 9 7 12 12 6	1 7 7 7 2 9 2	- 4 3 6 3 7	1 2 2 4 3 4	20	3 5 58 70 48 80 109 74 P	1 8 8 29 38 27 55 63	2 2 29 32 21 25 46	35 58 65 462 465 627 745 802 706 P	20 31 39 275 263 364 450 471 431	15 22 26 187 202 263 295 330		27 21 19 15 21 21	1 1 1 1 12 6 7 11 12	1 2 1 13 9 13 8	1	
	3 13 8 13 8	. 1 2 5 4 4 6 5 1	. 6 4 4 7			1 1 1	2 16 14 19 14 15 18	. 2 . 1 . 9 7 12 12 6	1 1 7 7 7 2 9 9	- 4 3 6 3 7	2 2 4 6 4	04 E	3 5 58 70 48 80 109 74 P	8 29 38 27 55 63	2 29 32 21 25 46	22 35 58 65 462 465 627 745 802 706 P	14 20 31 39 275 263 364 450 471 431	8 15 22 26 187 202 263 205 330		6 3 3 2 27 21 19 15 21 21	1 2 1 1 . 14 12 6 7 11 12	9 1 13 9 13 S	1	
	8 13 8	1 2 5 4 4 6 5 1	1 6 4 4 7		1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 16 14 19 14 15 18	. 1 . 9 7 12 12 6	1 7 7 7 2 9 2	- 4 3 6 3 7	1 2 2 4 3 4	04 E	3 5 58 70 48 80 109 74 P	1 8 8 29 38 27 55 63	2 2 29 32 21 25 46	19 22 35 58 65 462 465 627 745 802 706 P	7 14 20 31 39 275 263 364 450 471 431	12 8 15 22 26 187 202 263 295 330	" 1 1	27 21 19 15 21 21	1 1 1 1 12 6 7 11 12	1 2 1 13 9 13 8	1	1
	000000000000000000000000000000000000000	1 2 5 4 4 6 5 1	7 4 4 4 7		1		1 1 2 2 16 14 19 14 15 18	. 2 . 1 . 9 7 12 12 6	1 1 7 7 7 2 9 9	- 4 3 6 3 7	1 4 3 4	04 ··· 1	1 1 5 3 5 58 70 48 80 109 74 P	1 2 1 2 3 29 38 27 55 63	1 8 2 2 29 32 21 25 46	15 19 22 35 58 65 462 465 627 745 802 706 P	10 7 14 20 31 39 275 263 364 450 471 431	5 12 8 15 22 26 187 202 263 295 330	1 1 1 1 1	1 8 6 3 8 2 27 21 19 15 21 21	2 1 2 1 1 14 12 6 7 11 13	1 1 5 1 2 1 13 9 13 8	1	
	000000000000000000000000000000000000000		6 4 4 7		11	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 2 2 16 14 19 14 15 18	1 1 2 1 1 1 1 1 1 1 1 1 6	1 1 1 7 7 7 2 9 2	- 4 3 6 3 7	64	04 E	3 1 1 5 3 5 58 70 48 80 109 74 P	1 1 2 1 8 3 29 38 27 55 63	2 1 8 2 2 29 32 21 25 46	15 19 22 35 58 65 462 465 627 745 802 706 P	10 7 14 20 31 39 275 263 364 450 471 431	5 12 8 15 22 26 187 202 263 295 330	1 1 1 1 1	2 1 8 6 3 8 2 27 21 19 15 21 21	1 2 1 1 . 14 12 6 7 11 12	1 1 5 1 2 1 13 9 13 8	1	
	000000000000000000000000000000000000000		1 6 4 4 7		1 1 3 1 .8 1 1 1		1 1 2 2 16 14 19 14 15 18	. 2 . 1 . 9 7 12 12 6	1 1 7 7 7 2 9 9	- 4 3 6 3 7	1 00 4	04 ··· 1	3 1 1 5 3 5 58 70 48 80 109 74 P	9 1 1 2 1 3 8 29 38 27 55 63	1 2 1 8 2 2 29 32 21 25 46	15 19 22 35 58 65 462 465 627 745 802 706 P	10 7 14 20 31 39 275 263 364 450 471 431	5 12 8 15 22 26 187 202 263 295 330	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 8 6 3 8 2 27 21 19 15 21 21	. 2 . 2 1 2 1 1 . 14 12 6 7 11 13	1 1 1 5 1 2 1 13 9 13 8	1	
	000000000000000000000000000000000000000	1 1 2 5 4 6 5 1	6 4 4 7		1. 1. 1. 8 1 8 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 1 1 1 2 2 16 14 19 14 15 18	1 1 2 1 1 1 1 1 1 1 1 1 6	1 1 1 7 7 7 2 9 2	- 4 3 6 3 7	64	04 ··· 1	1 1 5 3 5 58 70 48 80 109 74 P	1 1 2 1 8 3 29 38 27 55 63	2 1 8 2 2 29 32 21 25 46	15 19 22 35 58 65 462 465 627 745 802 706 P	10 7 14 20 31 39 275 263 364 450 471 431	5 12 8 15 22 26 187 202 263 295 330	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4 1 2 1 8 6 3 3 2 27 21 19 15 21 21	4 . 2 . 2 1 2 1 1 . 14 12 6 7 11 13	1 1 5 1 2 1 13 9 13 8	1	
	00 00 00 00 00 00 00 00 00 00 00 00 00	1	1 1 2 1 6 4 4 7		11	1 1	3 1 1 1 2 2 16 14 19 14 15 18	1 1 2 2 1 1 2 1 2 6	1 1 1 7 7 7 2 9 2	1 . 1	4 60 4 4 60 4	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 1 1 5 3 5 58 70 48 80 109 74 P	9 1 1 2 1 3 8 29 38 27 55 63	1 2 1 8 2 2 29 32 21 25 46	15 19 22 35 58 65 462 465 627 745 802 706 P	10 7 14 20 31 39 275 263 364 450 471 431	5 12 8 15 22 26 187 202 263 295 330	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4 1 2 1 8 6 3 3 2 27 21 19 15 21 21	4 . 2 . 2 1 2 1 1 . 14 12 6 7 11 13	. 1 . 1 1 5 1 2 1 13 9 13 8	1	
	00 00 00 00 00 00 00 00 00 00 00 00 00	1	1 1 2 1 6 4 4 7		11	1 1	3 1 1 1 2 2 16 14 19 14 15 18	2 . 1	2 2 1 1 7 7 7 2 9 2	7 . 1	4 60 4 4 60 4	01 11 11 11 11 11 11 11 11 11 11 11 11 1	7 5 10 3 1 1 5 3 5 58 70 48 80 109 74 P	1 2 9 1 1 2 1 8 8 29 38 27 55 63	6 3 1 2 1 3 2 2 29 32 21 25 46	15 19 22 35 58 65 462 465 627 745 802 706 P	10 7 14 20 31 39 275 263 364 450 471 431	5 12 8 15 22 26 187 202 263 295 330	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 4 1 2 1 8 6 3 8 2 27 21 19 15 21 21	4 . 2 . 2 1 2 1 1 . 14 12 6 7 11 13	. 1 . 1 1 5 1 2 1 13 9 13 8	1	
	00 00 00 00 00 00 00 00 00 00 00 00 00	1	1 1 2 1 6 4 4 7		11	1 1	3 1 1 1 2 2 16 14 19 14 15 18	9 7 19 19 6	2 2 1 1 7 7 7 2 9 9	7 2 2 3 6 3 6 3 7	4 60 4 4 60 4	60	9 7 5 10 3 1 1 5 3 5 58 70 48 80 109 74 P	3 1 2 9 1 1 2 1 8 3 29 38 27 55 63	6 6 8 1 2 1 8 2 2 29 32 21 25 46	15 19 22 35 58 65 462 465 627 745 802 706 P	10 7 14 20 31 39 275 263 364 450 471 431	5 12 8 15 22 26 187 202 263 295 330	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 4 1 2 1 8 6 3 8 2 27 21 19 15 21 21	14. 2. 2 1 2 1 1 14 12 6 7 11 13	. 1 . 1 1 5 1 2 1 13 9 13 8	1	
	00 00 00 00 00 00 00 00 00 00 00 00 00	1	1 1 2 1 6 4 4 7		11	1 1	3 1 1 1 2 2 16 14 19 14 15 18	9 7 19 19 6	2 2 1 1 7 7 7 2 9 9	7 2 2 3 6 3 6 3 7	4 60 4 4 60 4	60	6 9 7 5 10 3 1 1 5 3 5 58 70 48 80 109 74 P	3 1 2 9 1 1 2 1 8 3 29 38 27 55 63	3 6 6 3 1 2 1 3 2 2 29 32 21 25 46	15 19 22 35 58 65 462 465 627 745 802 706 P	10 7 14 20 31 39 275 263 364 450 471 431	5 12 8 15 22 26 187 202 263 295 330	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 4 1 2 1 8 6 3 8 2 27 21 19 15 21 21	14. 2. 2 1 2 1 1. 14 12 6 7 11 13	. 1 . 1 1 5 1 2 1 13 9 13 8	1	
	00 00 00 00 00 00 00 00 00 00 00 00 00	1	1 1 2 1 6 4 4 7		11	1 1	3 1 1 1 2 2 16 14 19 14 15 18	9 7 19 19 6	2 2 1 1 7 7 7 2 9 9	7 2 2 3 6 3 6 3 7	4 60 4 4 60 4	60	6 9 7 5 10 3 1 1 5 3 5 58 70 48 80 109 74 P	3 1 2 9 1 1 2 1 8 3 29 38 27 55 63	3 6 6 3 1 2 1 3 2 2 29 32 21 25 46	15 19 22 35 58 65 462 465 627 745 802 706 P	10 7 14 20 31 39 275 263 364 450 471 431	5 12 8 15 22 26 187 202 263 295 330	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 4 1 2 1 8 6 3 8 2 27 21 19 15 21 21	14. 2. 2 1 2 1 1. 14 12 6 7 11 13	. 1 . 1 1 5 1 2 1 13 9 13 8	1	
	00 10 10 10 10 10 10 10 10 10 10 10 10 1	1	1 6 4 4 7		11	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 1 1 1 2 2 16 14 19 14 15 18	2 . 1	2 2 1 1 7 7 7 2 9 2	7 . 1	1 00 4	01 11 11 11 11 11 11 11 11 11 11 11 11 1	9 7 5 10 3 1 1 5 3 5 58 70 48 80 109 74 P	1 2 9 1 1 2 1 8 8 29 38 27 55 63	6 6 8 1 2 1 8 2 2 29 32 21 25 46	19 22 35 58 65 462 465 627 745 802 706 P	7 14 20 31 39 275 263 364 450 471 431	12 8 15 22 26 187 202 263 295 330	1 1 1 1 1	4 1 2 1 8 6 3 3 2 27 21 19 15 21 21	14. 2. 2 1 2 1 1 14 12 6 7 11 13	1 1 1 5 1 2 1 13 9 13 8	1	

~
~
Death
æ
2
f Death.
_
0.
9
5
~
Cause
B
~~
J
$\boldsymbol{\varepsilon}$
2
ىخ
S
-Specified
ø
ã
**
ږي
•
å
ë
ED.
JED.
UED.
NUED.
INUED.
TINUED.
TINUED.
NTINUED.
ONTINUED.
ONTINUED.
CONTINUED
-CONTINUED.
-CONTINUED.
-CONTINUED.
-CONTINUED.
-CONTINUED.
-CONTINUED.
-CONTINUED.
-CONTINUED.
-CONTINUED.
-CONTINUED.
-CONTINUED.
-CONTINUED.
-CONTINUED.
-CONTINUED.
-CONTINUED.
-CONTINUED.
-CONTINUED.
FABLE XVII.—CONTINUED.

				4	Mon		80	нв, 1579.	œ:						YE	YEARS.						Ā	Š	AGES IN	7	PERIODS OF TEARS.—1878.	Ä	ğ	Ö	<u></u>		8	Ţ	<u> </u>	•	
N N	January.	February.	March.	April.	May.	June.	August.	September.	October.	November.	December.	Unknown,	,878f	.TT81	1876,	.0781	7281	1878.	CAUSES OF DEATH.	G TobaU	1 5 to 10.	1 10 to 15.	12 to 50.		25 01 02 1	30 to 35.	.65 of 08	40 to 45.	45 to 50.	.60 to 55.	.09 of 66 l	.60 ot 0a	.07 01 50	.01 01 07 15.	708 01 07	.19vobna 08
	1	:	-		- :	:	1	- :	1	- ;	- 1	1		-	1		i		Prostate, Disease of	_[	-	-:	+	_	-	-	-	- 1	- 1		- 1		- 1	1	1	. :
	1	;	- <del>:</del>	1	- ;	- 1	-:	-:	- :	- 1	- 1	- 1	1	1	-	i	i	1	Prostate, Enlarg't of	- 1		- 1	- 1	_	1	-1	÷	÷	- :	- ;	- 1		-:	:	1	;
males	- 1	1	~	1	7	1	-:	- ;	:	- 1	- 1	- ;		1	- }	1	į	1	Prostate Gland, Swelling of	-1	·	1	1	_	+	:	:	-	- :	- 1		-	- 1	- ;	- 1	1
*les	- 1	- :		1	:	- ;	-:	-:	- 1	- :	- 1	:	1	1	_	1	ì	1	Prostatitis, Chronic	:		+	-	-	-	-	-	-÷	+	- 1	-	1		- 1	1	4
emales	-	1		- (	+	i	1	-:	-:	- 1	-	1		-	- !	i	1	1	Prostration	1		- 1	+		÷	1	;	+	1	- 1	4	1		-	T	;
Females		4	-	-	÷	:	4	- :	- ;	:		-	1	7	- 1	1	1	1	Puerperal Congestion	1		+	+	_	÷	+	÷	÷	+	- :	- 3	- ;	:	:	1	1
Females	-	- 6	1	-	-	11	-:	1	- ?	_	93	4		**	9	.0	-		Puerporal Convulsions	i			1	_	+	-	64	+	1	- 1	- 0	- :	- 1	- ;	- ;	. ;
Females	1	-	-	65	01			-	19	-	+	- 4	16	8 23	8	37	49	*	9 Puorperal Fever	-		- 1	-	-	-	04	-	-	-	+	-	-	- 1	- 1	1	1
Females	1	1	+	-	1		- :	+	-		- 1	- !	1	1	O.	01	63		Puerperal Peritonitis	1		-	-	_	+	1	÷	+	-	- 1	1	.:	:	1	1	- ;
Females	- 1	- 1	- 7	- 5	-	- 1	-	-	-	- 1	- :	- !	i	"	1	-	i	-	Puerperal Septicamia	-	+	+	+	_	-	+	÷	+	1	-	:	- 1	:	:	1	- 1
Males	1	1	À	-	4	4	-	- !	- :	-	1	- ;	1	-	į	i	1		Purpura Hemorrhagica.	!		-	1	_	+	+	+	;	1	1	-	:	- ;	- 1	;	4
Females	1	1	1	-	:				- 1	-:	-	- :	1	1		1	1		:	1	÷	+	+		+	÷	÷	+	+	-	1	- 1	:	-	1	+
Males	:	4	1		:		4	1	- 1	-	4	- 1	1	i	1	1	*		l Purpura	1		- 4	+	_	1	-	1	1	1	-	-	1	Ý	:	- (	
Males	- 0	1		1	7	1	-	- 1.	-;	- 0	- 1	- 1	1	-		_	-		Pyæmia	1	7	1	1	-	1	;	÷	1	-	- (	1	1	:	:	;	
Fomalos	:	- (		1	-	- 1	-	- 1	-	-	-:	- :		64	i	-	-			-	-	-	1		-	-	- 1	+	1	- 1	- 1	. 1	- 1	- 1	- ;	3
Total	-	1	-		-		1	-	-	_	P4	100		1	-	*43	10	_	5 Quinsy	-	=	1	91	-	-	7	-	+	-		-	- 1	-	1	. ;	
Males	:	1	1	i	:	1		-:		-	-	-		!	*0	0.9	*	_		. 1	1	- 1	:	_		+	+	-:	- :	-	-	- :	-	1	- 1	;
Female	-	1	;	;	-	3		-:		_	-	04	_	-		00	-			-	-	1	C+	-	-		:	- ;	:	;	- 1	1		:	:	- ;
Total	-	:	i	:	+	:	-	-	- 1	- ;	-	-		64	i	01			Rachitis	-	01	:	17	_	-	:	-:	:	:	- :	1		-:	- 1		:
Males	-						_		- 1	90	_	_						_			-	-	_	-		-	-		-	-	_					

Total   State   Stat	Rape, Effects of Rape, Effects of Rape, Effects of Rash Rheumatism in Bowels Rheumatism in Head Rheumatism of Heat Rheumatism, Infant Rheumatism, Infant Rheumatism, Infant Rheumatism, Infant Rheumatism, Nervous
1   1   1   2   6   6   3   10   42   57   35   30   45   51   11   12   12   13   13   12   14   15   14   15   15   15   15   15	Rape, Effects of   1   1   1   1   1   1   1   1   1
	Rape, Effects of   1   1   1   1   1   1   1   1   1
	Rape, Effects of
	Rheumatism in Bowels
	Rheumatism in Bowels   Rheumatism in Chest   Rheumatism of Heart   1   1   1   1   1   1   1   1   1
	Bheumatism in Chest  Rheumatism of Heart  Rheumatism, Infam.  Rheumatism, Nervous  Rheumatism, Nervous
	6 Rheumatism in Head  5 " " " " 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	8 Sheumatism of Heart
	27 Rheumatism, Inflam. 2 1 2 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1
1	27 Rheumatism, Inflam. 2 1 2 1 1 2 1 1 1 1 1 1 2 1
	27 Rheumatism, Inflam. 2 1 2 1 1 2 1 1 1 2 1 1 2 1 .
	12 " " 1 1 1 1
	- Rheumatism, Nerrous
H	
	1
	1 Rheumatism, Spinal
	1
Fomales	2
Total 2 3 1 1 1 3 3 3 2 3 29 43 29 31 24 29 Rheumatism	-
Males 1 1 1 1 1 2 2 2 2 3 1 1 16 29 18 22 10 18 "	18
Females 2 2 2 1 2 1 1 2 18 14 11 9 14 11 "	=
Females Roscola	Roscola

TABLE XVII.—Continued.—Specified Causes of Death.

			Ă	Montiis,	118,	1878.	න්						YEARS.	is.					₹	AGES IN	NI B	Ē.	ERI	OD	PERIODS OF		YEARS.	. B.	.—1878.	χô		
N EN N	January.	Матећ	April.	June.	July.	August.	September, October,	November.	December.	Unknown.	78281	.7781	1876.	.6781	1874.	18781	CAUSES OF DEATH.	Under 5.	_	10 to 15.	15 to 20,	25 to 30.	.68 of 08	.0b oz 66	40 10 45.	45 to 56.	.09 01 55	.60 to 65.	.07 03 58	.67 or 07 .08 or 67	19 yo ban 08	Опкломп.
Females	:		1 1	-:	1	1	1	1	1			1	-	1	1		Rupture, Internal		1 1	1	1 3		- ;	1		1		1			1 1	
Females	1	-	-	- 1	1	-	+	- ;	- 1	÷	1	-	-	1			"Salt Rheum"	1	- 1	-	-	- 1	- 7	1	-	- 1	- 1	- ł	- 1	1	1	- 7
Males	9	- 1	3	1	:	ī	-	1	- 1	1	1	11	1	-	1	i	Sarcoma, Medullary	1	3	-	1	:	-1	- 1	-	-:	1	- 1	- 1	÷	1	-
Males	1	_	-	1	;	1	+	-	-	- 1	1	-	-	1	i	1	Scald Head	7	- 0	-	1	- 5	-1	4	:	7	- ;	ý	1	- 1	1	-
1	20		-	00	7	-	01	6 5		- (	64	64	53	20	84	36	Scald	25	-	Ť	-	_:	- 1	1	:	+	- 1	:	- :	Ť	1	
1	01		1	91	-	-	69	- 04	4	1	18	24	12	19	81	60		16	-	-	-	-	-1		-	4		- 2	- 3	-	+	_
Females		-0.0	1	-	-	-3	- 1	01	-	;	01	00	10	13	10	13		0	18	÷	- 1	- 1	1	1	Ť	:	- 1		4	-	1	-
Males	:		- ;	-;	3		-	7	:	1	1	1	;	-	i	1	Scalp, Discase of	i		- ;	- 1		- 1	- 1	:	- 4	3	4	1	1	- 1	÷
-	32 34	10	35 31	23	21	312	27 26	6 52	13	;	439	104	662	153	440	280	Scarlet Fever	976	10	26	69	00	-	- 1	-	-1	7	- ;	Ţ	-:	3	•
Males 1	15 14 17 17 13 13 14	17	7 18	13	_	171	15 1	15 23	4	-1	217 2	203	193	216	284	297		146	4	4	01	-	-	1	-	1	-	- 1	-)	÷	1	•
Females 17 20 24 18	7 20	57	90	18 10	00	-	12 11	65	65	;	610	300	206	202	206	283		130	22	01	10	61	-1	;	-	- 1	1	- 1	-	÷	1	-
Unknown.	-	_	-	4	- 2	-	1	1	T.	7	1	-	i	i	i	1		i	1	÷	:	:	. 4	1	-	- :	1	1	1	-	1	-
- 1		-	-	-1	15	7	+	V	A.	1	1	-	1	1	1	-	Scirrhosis	1		÷	-	- 1	1	1	÷			- ;	1	÷	- 1	-
H	00		01	4	01	00	00	6 9	D.E.	:	55 60	55	56	34	65	63	Scrofula	17	01	-	00	-	-	-	1	01	01	1	1	+	1	61
Males	Ø1		-	01	- 1	- 1	04	:	-	1	15	22	15	54	=	60	***************************************	00	01	÷	-	-	:	*	1	-	:	:	- 1	-	-	<u> </u>
Females	61		-	01	63	20	-	64	-	1	18	11	=	30	22	19		6	-	-	C4	:	-	-	-	01	-	- 1	:	+		-
Total			-	1	-	•	1	1	-	1	800	į	-	÷	1	1	Scurvy	-	•	1	-	- 1	-1	-	÷	+		- 1	-	+	1	-
Males			-	1	1	3.	-		:	1	-	1	~	Ť	i	1		i	*		+	1	:	1	- :	- :	:	:	-	1	1	-
Females	-	-	+	1	-	-	+	1	-	- )	64	1	1	+	-	1		-	•	-	-	- 1	- 1	-	-	-	- ;	- 1	:	-	- 1	-
Females		-9.	1	1	1	+	1	1	- 1	1	1	1	1	1	1	-	Sea-sickness	1		-	+	- 1	- ;	-	+	1	1	:	1	- 1	- 1	-
Malea	_	_	-			-	-						0			-				-					-	_	_		_	-	_	_

Sheet			3	Ŧ	100	1	1	-	-		7	8	_	_	9	g+	1	:	Septicamia.	mia.	-		7	÷	÷		3	3 44 1-1-1-1	:	1	1	4	1	1	1	132
1   1   1   1   1   1   1   1   1   1			7			- 1		_	_			Q1		_	-	-	-	:			1		- 1		_								- ;	_		
1   1   1   1   1   1   1   1   1   1	168	1	-1	_		. 1		_	_	_	_	7	-	02	-	-	1	1			-	i	-	_	_	_		_					.;			
Sickness of Mother   Sicknes	108	- 1	- 1			- 1	_	_		_		-	1	1		-	1		hoe					_			_	_					- ;			
Skin Disease.  Skin Disease.  Skin Disease.  Skin Disease.  Spans of Gottlis.  Spans of G	Females	Ť	.1			1			_	_	_	1	1	1	,	-	1	1	=				_	1	1	_				_	_	_	-3	_	_	- 3
Skin Disease    1	Females	1	1		-		_		_	_	1	1	:		-	1	1	_	sickn		_		i	_			_			_			- 1	_	- 1	- 4
26 26 26 26 27 44 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Males		1		1	÷	1		_	_	_	1	1	1			_	_	kin					_		_				_		_	1		1	- 6
8 10 4 5 8 5 1 1 2 9 9 8 mail pox 2 1 2 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Females	1	- 1			4.					_	1	4	1	1		21	1	:		-	1	_	_	- 1	-		- ):	_		_		1	_	1	
Spanned Bit   Spanned Glottis   Spanned Glotti	Total	01	- 1	-	1 2	4	_		_		_	8		7		9	13		mal	***************************************	as.	-			_			- 1		_		_	:			- 6
8 10 4 3 8 772 81 73 68 14 11 1 2 2 Spine, Inflam, of  1 2 2 2 2 1 1	Males	04	- 6	:	1	1			_		_	4	10			00	=	49	:		01	-	F					;	_	_		_		1	-1	
Spider Bite    1	Females	1	- 1		-	-				_	_	61			19	9	1	7	2		1	1	_					- 1	_		_	_	- 1	_	1	
Spider Bite	Males	1	1		1	1	_					1	1	_	i	1	+		nake				1					- ;			_	_	;	_	_	
Spider Bite (1)   1   1   1   2   3   3   3   3   4   3   5   5   5   5   5   5   5   5   5	Males	1	1			- 1			_	_	1	1		1	i	1	_	_	busn	-		_				_		4				_	_	_	1	-
Spina Bidda.  Spina Bidda.  Spina Bidda.  Spina Bidda.  Spina Irritation.  Spina Irritati	Females	;	- )		1	. 1	_				1	1	i	_		-	_	1	=	,,			- 1					- ;		_		_	1	_		- 4
8 10 4 3 8 114 170 Spina Bidda.  8 10 4 3 8 5 72 8 1 1 3 Spinal Trittation.  8 10 4 3 8 5 2 1 1 2 2 2 3 1 1 1 3 1 1 1 1 1 1 1 1 1	Males	1	- 1	+	+	:	_			_		1	į			1	1		pide				- 1					-;						_		
8 10 4 3 8 . 72 81 73 69 114 170 Spine, Concussion of 32 6 3 6 3 5 2 . 1 2 2 3 1 1 3 . 1 5 6 2 1 3 . 39 43 36 38 84 175 6 2 1 3 4 8 3 1 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Males	1	1			1	_	_			- ;	1	1	1	i		01	50	pina		1	_	_	_	_	_		- 1			_	_		_	_	-2
Spinal Irritation.  Spinal Irritation.  Spinal Decreasion of Spinal Spin	Females	:		-		1	_					-	_	_		_	1	- 1	=									-1		_		_				- 1
5 8 10 4 5 8 5 72 81 73 69 114 170 Spine Disease	Females	1	- 1								- 1	1	_	1	1	-	_		pina		1	_			_	_		_		_				_		
8 8 10 4 3 8 72 81 73 69 114 170 Spine Disease	Males	:	1	+	1	1	_	_	_		_	1	. !	1		_	1	5	pine		1	_				_		. ;				_			_	- 4
2 5 4 2 2 5 5 33 37 34 51 88 ··· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ··	Total	10			_	10	_	_	_			72					11.1	70 8	pine	isease	25	9	_		_		_	_	_	_		-		1	-	_
5 6 6 2 1 3 39 43 36 38 84	Males	-		-	64	03	02	*		_	Ġ	23	63					98			17	0				-	1	1	-	-	7	-	_	_	1	٠,
2 2 2 2 1 1 2 Spine, Injury of 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Females	*		_	_	80	_		_		1	89						8	=	*	15	-		_		_	_	_	-	_		_		- 1	-	-
2 2 2 2 1 1 2 2 Spine, Inflam, of	Unknown.	1	1		1	- 1			_		1	1	_	1	1	-	1	1	:		1		_			_		1		_	_	_		_		
1 2 2 2 1 Spine, Injury of 1 1 1 1	Males	1	1	H	:	1	-		-		.1	G#	1	1	-	H	01		pine	ndam, of.			_					:		_	_			_		
1 1 2 2 1 Spine, Injury of	Females	1	1	1	1	-1	-		_		_	-	04		01	-	-	1	:		-							T								٠,
	Males	1	1	- 1	1	1	-		_	_		01	01			-	_		pine				_					- 1				_	_		1	٠,

TABLE XVII.—Continued.—Specified Causes of Death.

January     January       Pebruary		December   December	1818.	7481   1 50	.978	_	_	CAUSES OF DEATH.	12.	12"	- 1	100	100
				1 1		'\$2\$T	,8781		12 fc	20102 30102 30103 30103	24 of 04 05 of 05 06 of 05 09 of 06 09 of 06	65 to 70. 70 to 75. 70 to 80. 75 to 80.	80 and over
1 1 1 1 1 1 1 1 1 1 1		111111	11111	1	- 1	1	1	Spine, Injury of			1 1	1 1	
		1 1 1 1 1 1 1			1	1		Spine, Paralysis of	1 1 1 1 1 1		1	1	:
1 1 1 1 1 1 1 1		1 1 1 1 1	1 1 1 1		1	1					1	1	i
1 1 1 1 1 1		1 1 1 1 1	1 1	!	1	1	1	Spine, Softening of		1	1 1 1	1	i
1 1 1 1 1	1111	1-1-1	1 1	1	1	-	-	Spine, Ulceration of	1	1	1 1	1	i
1 1 1 1	11	1 1	1		-	1	1	и и и	1			1	i
1 1 1		- 1		1	-	-	1	Spleen, Disease of			1 1	1	i
1 1			-	-	1	-	1 2	Spicen, Enlargement of	1	1 1	1 1		i
1		1		2 1	1	1	-		1		1 1	1	1
	1 1 1		1		;	-	-		1	1 1		1	÷
Males	1 1 1 1	1	1	-	1	1	1	Spleen, Inflam. of				1	i
Females	1	1	1	1	1	-	-	" " "		1	1 1	1	i
Males	1 1 1		1	- 1	1	1	-	Sprain of Side by Lifting				1	j
Males		1		1	1	-	1	Stabbing	1		1 1	1	:
Males			-	1	1	-	1	Starvation				1 ,1	1
fomales	1 1 1 1	1	1	1	1	1	1	,				-	;
Total 52 54 54 75	75 69 57 64 60 61	1 67 63 117	793	1 720	9 979	629 464	1 274	Still-born	793	-			
Males 34 27 23 4	44 41 33 38 34 36	3 35 35 64	#	300	336 3	344 257	153			- 1			_
Females 14 24 29 2	25 26 22 25 25 21	20 26 44	307	200	258	245 181	1112		307	_	-	-	
Unknown. 4 3 2	6 2 2 1 1 4	0 2 9	42	31	25	40 20	0	= =	- 1				
Fomales			-		-	_	:	Sting of Boo	;				

	3	01	00	01	-	90	01	00	01	93	01	31	98	50	21	19	=	11 Stomach Disease.	9	:	:	-	- :	- 1	-	20	1 2	00	1	20	-
-	-	-	10	01	- 1	Ö\$	69	01	-	20	-	9	6	10	40	10	-			1	- 1	-	1		n	-	:	O1	-	61	-
Iea	-	-	-	1	-	-	1	-	-	- 2		9	=	10	7	6	4	•		-1	- }	1	:	- 1	- 1	94	-	-	- :	-	1
Total	1	01	н	01		13	0.5	10	=	9	60	0	0	21	27	75	38	Stomach, Infam. of	of	04	1	04	-	-	7	-	01	64	04	00	26
Males		-	-	=	-	04	-	.04	- 1	60	01	-	80	2	9	1	15		91	1	1	69	:	1	7	+	1	- ;	64	1	-
Females	1	-	:	61	-	60	-	60	п	100	-	16 1	61	90	17	17	22		*	01	-	1	1	-	ì	1	01	64	-	:	-
Females 1	-	-1	;	-	. 1	!	-	1	H	-		20	00	60	:	1	1	Stomach, Neuralgia of.	ria of	-1	1	1	-	1	Ì	- 1	-	1	-	- 1	- 1
Males	- A - 3	- ;	;	- :		- !	;	1	÷	1	1.5	-	-	1	:	1	1	Stomach, Strain of		- }	- :	1	1	1	i	1	- 1	1	- :	- 1	- 1
Total	-1	1	н	-	-	-	-	-	-	- 1	-	7	-		œ	9	90	Stomach, Ulceration of	lon of	1	- 1	-	-	- 1	Ť	-	64	C1		:	1
Males	1	- 1	:	:	- 1	-	-	п	+	:		*	6	10	9	01	9	*	***************************************	1	;	1	1	- ;	ì	7	01	-	- 1	- 1	į.
Females	- :	T.	п	-	-	1	1			1	-	eb	01	01	01	63	69		-	-	1	-	-	- 1	i	+	-	-	1	- ;	- ;
Females	1	- 1	-	1	- 1	- 1	~ 1	;	÷	1	- 1	1		-	4	1	1	Stomatitis		- 1	- }	1	1	- 1	1	+	- 1	:	- 1	- 1	- 1
Males	1	1	:	-1	- 1	-4	- 1	114	÷	1		1	;	-		-	-	. Stone in Bladder.		-1	1	-	1	1	- 1	1	- (	:	-1	- 1	- ;
Total	-	-	-1	-	1 9	-	:	OI	04	1		6	10	7	01	ю	00	Strangulation	7	-	:	1	- 1	-	1	7	1	1	1	- 1	- 1
Males 1	;	- 1	1	1	1	-	- (	-	-	1	-	63	60	62	.04	7	7		89	1	- 1	-	1	- 1	1	- 1	- 1	-	1	- :	1
Females	1	-	- 1	-	1.1	1	- 1	-	01	1	-	9	01	*		-	-	=	*	1	1	1	1	-	1	- 1	- 6	1	1	- :	:
Miles	- 1		i	1			-	-	-	+	1		-		173	1	1	Stricture of Urethra	hra	1	1	-1	1	1	1	+	:	-	1	:	- 1
Males	1	.:	1	- 1	h.	1	1	1	÷	1			-		-	+	1	Stricture		1	1	- 1	1	1	1	1	1	- 1	1	_1	- ;
Total	-	-	61	1	,	н	Q1	н		04	-	12	-	8	6	10	11	11 Suffocation	10	н	:	1	3	- 1	1	-	_1	1	1	1	. ;
Males 1	-	1	-	:		1	61	-	1	+		10	10	*	-	*	20		*	-	1	1		- 1	1	:	1	- 1	1		- 1
Females 1	1		-	64		ч	-	1	-	04	-	7	C1	- 00	2	9	60		9	1	-1	1	- 4	11	1	-	- 1	:	1	7	1
Unknown	:	1	+	+		1	:	1	+	+	1	1		-	- 1	+	1		1	1		÷	-	1	Ė	1	1	1	1	- 1	1
Total	61	ю	10	6 9	10	7	10	9	10	*	63	_	55	24	61	53	800	Sulcide	4	1	10	9	-	~	90	9	4	04	01	1	94
Males	64	4	01	9	60	90	60	9	60	-	_	10	9	4	01	31	30			- 1	н	-	7	C1	10	9	-	64		7	01
Females 1	::	7	00	60	04	*	64	1	01	99	83	3 20	0	-	0	81	6			;	*	93	03	94	20	-	63	- 1		- 1	- 1

a See Exhibit 9, page 240.

TABLE XVII.—Continued.—Specified Causes of Death.

F

				M	MONTI		18,	1878.	ri.						YEARS.	RS.						Ā	AGES IN PERIODS OF YEARS, -1878.	11	N F	KI	110	DS	OF	Z	E.		ڄ	93		
SE X	January.	March.	April.	May.	June	July.	August.	September.	.тэбогэО	November.	December.	Unknown.	.8781	.7781	1876,	1875.	1874.	18781	CAUSES OF DEATH.	Under 5.	5 to 10.	10 to 12.	12 to 50.	.02 01 02	25 to 30.	30 to 32.	.01 of 68 (	'QF 01 09 1	102 01 20	.66 at 06 f	55 to 60.	60 to 65.	70 to 75.	75 to 80.	39 and over.	Unknown.
Total	:	1	- 1	- ;	-		00	G4	7	_ :	-	- 1	8	1	17	-	52	60	Sun-stroke		01	-	1	01	- ;	G#	- 1	00	00	-	00	-	04	QI.	-	
Males	1	- 1	1	:	-	22	00	01	-	- 1	-	- 1	61	7	13	-	19	Ġ#		_	1	-	- 1	03	- 1	64	- ;	60	00	-	00	-	-	01	-	_
Females	1	-	1	7		61	1	- ;	1	- 1	1	1	01	*	24	1	04	-			-	- i	- 1	1	-:	1	- 1	-;	1		1	1	-	-:	- ;	- :
Males	1	+		:	4	- ;	- 1	-	- 1	9	- 1		1	1	-	1	01	CH	Surgical Operation	1	+		_1	:	-1	- :	1	- (	- :	-	÷	+	- 1	- 3	- ;	- :
Females	1	- 1	1	-	:	;	- 1	-1	- 1	3	- 1	1	1	7	64	1	-	7		1	-:	- 1	- 1	- ;	- !	1	:	;	:	-;	$\overrightarrow{}$	-	-	- :	- 1	:
Males	1	1	- 1	1	_;-	- 5	- 1	- ;	- 1	;	- 1	- 1	- 1	i	1	1	1	1	Swallowed a Penny when a Boy	-	-	1	:	1	- ;	-	- 1	1	T	÷	+	-1		-:	- 1	_ ;
Males	1	- 1	1	1	1	1	- }	1	-1	;		- ;	1	0	60	9	4	00	Syphilis	1	-	1	- 1	1	;	7	3	- (	-	÷	÷	- 1	-	:	_:	- 1
Females	1	1	1	1		-	- 1	- 1	-	-1	- 1	;	G,	1	C+	01	2	20			-	1	:	1		-	:	- 1	:	1	÷	+	- :	-	- 1	- 1
Unknown,	_	1	- ;	1	- 1	- 1	-1	- 1	- 1	- ;	-1	. ;	1	-	-	-	1	-	п	1	-	- 1	- 1	:	. (	- 1	4	:	:	1	- 1	-	- 1	- :	-	- ;
Females	1	1	_{	1		:	-	- 1	_1	:	- 1	:	-	1	1	1	1	i	Tape-worm	_!	1	- ;	:		- 1	- ;	- 1	-1	-1	÷	-	1	1	-:	- 1	-3
Total	4	24	01	7	9	10	=	Ξ	9	-	*	- 1	90	99	11	71	88	106	Toething	- 60	-		- 1	1	1	- 4	. 2	- 1	- ;	÷	÷	+	- 1	-:	:	
Males	02	-	29	04	60	-	10	9	9	-	4	- 1	38	39	66	27	7	9		88	:	1	-1	- :	.1	- 1	- 1	;	- 1	÷	+	- :	- 1	- 1	-:	:
Females	-	-	1	04	00	-	9	10	00	1	- 1	. 1	81	27	25	34	8	46		81	01	- 1	- 1	- ;	1	- 1			- 1	÷	÷	- ;	-	-	- 1	_ ;
Total	1	-		4	01	-	-	-	-	1	1	;	9	9	C4	1	10	63	Totanus (Lock-jaw)	-	01	:	04			- 1	1	:	1	Ť	-	+	-	-:	:	- ;
Males	1	1	:		04	7	_	-1	-	;	-1	:	2	00	1	1	-	0.	0 0 11	-	01	:	1	-	:		1	:	1	÷	÷	÷	- :	-:	- 1	-:
Females	1	-	- !	;	-:	-1	- 1	1	- 1	:	-1		1	63	-	1	-	-		1	- :	- 1	-	- 1	- :	- ;	:	- 1	1	- 1	-	1	+	!	- ;	_:
Males	+	1		- :	1	1	- 1	1	- !	1	_	- (	1	1	1	1	-	1	Tetanus	1	-:	- 1	1	:	:	1	:	- 1	- 1	-	÷	-	-:	-:	- 1	_:
Females	-	-	+	_	-	;		-1	:	- ;	:	- 1	-	-	-	1	1	00			-	- 1	- 1		:	:	:	- 1	-	- 1	-:	+	-:	-:	:	- :
Females	1	-	1	1	:	:	-	:	4	. \$		:	-	1	;	1	1	1	Tetter	-	-:	- :	- ;	- ;		- 1	:	-	-:		-		-	_		- ;
Total		01	-	-	1	-1	7	-	-	01	- :	_;	12	10	12	7	18	31	Throat Disease				3	1	_			_		_		_	_	_	_	-
Males		-		_	_		_	1	Ő																	-	-	-		-			-	-		_

Females     1 -		1	;	-	20	99	:	:	0	0	00		-	9	16 Throat Disease	•	,	1	1		:	: : : :	÷	:	:	:
Total	20	1		-	01	1	-	-	80	03	4	00		1	Throat, Indam. of	600	7		- :	_	1	1	i	:	- ;	:
Males	-	1	1	-	- 67	-1	1		0	-	63	-	:	1		-	:	-1	-1	_	;	1	1	:	- :	1
Females	04	1			1	- 1	-	1	93		п	04		1		ge .		.;	1	90.	- 5	1	1	- 1	1	i
Males 1		1	1	-	1	:	1	:	-	-			-		Throat, Paral. of	1	111	-1	- 1	•	:	- :	1		-	-1
Males	110	1	1.	-	01	:	1	1 0	04	-	1	4	-	-	Throat, Putrid Sore	1	1	1	-	•	- 1	- 1	- 1	1	1	1
Females	T.	1	1	-	-		1	+	1	-	6	04	<b>C</b> 3	-		1	71		1	-	-	- 1	-	1	1	17
Males	CR.	1	1	1	- 1	1	ì	- 1	1			-		1	Throat, Ulceration of	1	T				÷	- ;	i	1	:	- 1:
Females		1	1	•	:	1	1	1	-	- 1	130	64	:	1		- [	1	1	1		-	- ;	1	ĭ	1	- 1
Total	14	1	:	1	-	3	-	-	60	1	10	7	90	9	Thrush	60	- 1	. 1	={	_ 4	- 1	1	- 1	1	- 1	= 1
Males	-	i	:	- 1	-	- 1	-	1	-	24	20	9	60	09		-	- 1	- 1	1		-	-1	+	- 1	- 1	1
Females			;	*	-	- 1	4	1	01	2	01	9	20	*	*	04	1	1	- 2		1	4	-	:	.:	- 1
Males	-7	1	:	;	1	1		+	4	- 1	- A		-	1	Tonsilitis.	1	111	. 4.	-1		:	1	1	:	-1	1
Fomales	1	1	+	;	1	;	1	1	1	1		-	;	-1		1	-1	- 1	- (	_ •	-:	-:	+	:	1	-1
Males	1	1		1	- 1	1	T.	1	-		4	- 1	-	1	Trachitis.	+	- 1	331	- 1	-	:	-1	-	- 1	1	9
Females	CAL	;	1	1	1	1	- 1	1	1	1	-		-	v	*	-	- 1	_¥	1		:	-1	1	-1	:	-4
Males	4	i	1	1	1	1	1	1	1	- 4			04	-	Trichiniasis	1	- 1	<b>_</b>	= 1.		-;	- 1	1	+	:	- 1
Females	-	1	:	1	1	1	1	1	-		H		01	1		1			1		- 1	1	i	1	:	- 1
Males	3	1	1	1	1	1	-		-	1		- E	1	1	Tubercles on Brain	-	- 1		1		- 1	4	- ;	:	- 1	0
Females	-	:	1	1	1	1	1	1	1	- 1	,	*	=	1	Tubercles of Liver and Ridnoys	1	- 1		1		- 1	1	÷	1	- 1	·
Males	-74	1	4	1	4	1	i	1	- i		-	-	-	1	Tumor in Abdomen	1	1	1	1	.1	:	13	1	1	1	+ 1
Females	ř.	1	T	1	:	1	-1	1	1	1	-	60	-	70		1	1	1	1	1	+	× 1	1	1	- 1	-
Males	Le	+	1	-	:	-	ì	-		4	140	;	- 1	-1	Tumor under Arm	1	1	1	1	1	-	-1	;	:	- 1	1
Maics	J.	1	1	1		1	i	1		-		:	:	24	Tumor on Back	-	1	1	4	1	1	- 1	1	:	1	1
Females	18	;	1	1	1	1	1	1	1	1	01	94	1	04		1	1	1	1	1	1	1	-	1		+
females	76	-	1	1	-	1	i		-	-		1	1	1	Tumor in Bowels	-	1	:	- 1	-	:	1	1	1	1	1
dales					-	-		-	-	01	-	-	01	-	Tumor on Brain		-	:								- 1

'I'ABI,K XVII,—Continued.—Specified Causes of Death.

				ŧ.		*/**	į																			AUEB	0 13		I ERIODE				T MARKO	4	Ĩ	1000		
888,	Same.	george	April	-ing		Yatau	:Manney		SHAMPINE.	Twimber.	L'aknowa.	8281	2381	7658	1837	7281	18281		CAUSES OF	*2		DEATH.	ii.	1. naer 3.	5 10 10	10 to 10.	20 10 22	.08 of 62	.65 of 05	,04 o1 68	40 to 45.	45 to 50, 50 to 55.	.60 01 00	.68 01 08	65 to 70.	.67 01 07	70 to 80.	The Sales and th
Passales	-	111	111	17	-	_ ‡	-	- 2		1	-	-	1	į	_	_		Tan	Tumor on Brain	n Br	rain.		-	-	1	- 1	- 1	3	- (	- ;	-	-	1	- 1	-1	1	-	1
MREGISTAL	10	77.	3	i	2	3	1 8	*		- 4.	1	Ĭ	1	1	-	-	1	Tun	Tumor of		Chest.	****		1	1	-	- 1	1	1	- 1	÷	:	1	-:	1	1	-	1
Cambles	1	1	1		_	- 7.	-			3	1	10.00	7	1	1	1	1	:				-	1	i	1	1	-:	1	-1	4	;	1	1	1	- 7	1	-	- 7
Salar	-	1	100	i	- 2	- 5	-	-				1	i	1	-	1	1	Tun	Tumor,	Patty	y		1	1	1	:	1	1	- 1	1	÷	1		1	1		-	. :
Manne	0.00	-	200	2	-		-	1	_	1	2	65	24	24	1	1	7	Tun	Tumoron		Head.	-			1	1	3	36	-1		-	:	1	-	-	1	1	
Section .	77	-	3	3	- 2	4	-	\$		1	1		-		1	1	- 5	÷			:	-	1	1	1	+	:	:	.;	- 1	1	-	-	- 1	-	-:	-	
	-	1	1	ì	-	9		-		3	1	2	-	-	1	- 1		•			:	-	***	61	-1	-	-	- (	- 2	- 1	-	:	- 1	-	:	1	ï	- 1
Parking	1	1		-	7	i	-	1			:		1	į	i	1	1	Tun	Tumoron	n Leg		-		:	- ;	:	-		:	- 1	-	+	- (	1	:	1	÷	. :
Color day		17	111	12	2	į	_	1		:	1	1	1		:	1		Tun	Tumoron		Lungs		1	1		1		- 1	4	- 1	-	1	1	- 1	- 1	-7	1	- 1
1		13	1	13		1.7	-	-		ŧ	- 2	1	-	i	i	-1	1	•					:	1	1	-	:	- 1		- 1	÷	-	÷	:	- 1	-	÷	- 1
-	i	1		-	7	î	116	,		1	1	0	į	-	44.50	-1	-	Tumor	noro	on Ne	Neck.	-	1	1	1	3	-1	1	. 2	- 1	1	-	- 7	2	1	*		
, .		à	100			÷	-	-		1	٥	48	1	1	-	-	1	•			:			1	1	÷	- 1	4	- 1	1	- 1		-	:	4	:	-	:
-		à	111	-	-	7	-	,		ŧ	1	24	1	1		-	-	Tou	Tumor, Operation for	Oper	ation	for.	:	1	i	1	- 1	-	-1	1	-	1	1	1	4	12	1	
A		E	1	i	. 4	_	-	-		ì		1	d	-	1	1	1		Tumor on Shoulder	n Sh	pino	de	****	1	I L	+	1	- 1	- ;	1	1	1	-	1	-0	1	-1	
Males	-	:	:	1	+	- 1	_	_		1		-		-	i		1	- Tun	Tumor in Side	n Sid	10	:		1	Ì	1			1	1	1		- 1	- 3		-	÷	
Franklin -	100	-	2		17	÷	-	1				*	1	64		1	1			=	1		-	i	i	÷	:	- 1		7	-	- 1	- 1		-7		1	
Familios	-	2	3	1	-	4	-	7		1	;	1	i	i		1	:	Tun.	Tumor on	n Sp	Spine	-	*	1	1	+	1	1	:	4	1	- 1	1	:	- 5	-	:	
Fotal	-	9	-	t	4	1				1	ì	*	0	0		80	12	6 Tun	Tumor in	n Ste	Stomach	h	1	1	1	<u>-</u>	1	-	-	-	-	1	-	;	-2	:	1	
Malon		:	1	1	- 1	1	-	1		1		24	-	ea		69	10	2			:		1	1	i	:	:	1	-	- 1	+	:	-	- (	:	4	-:	
Femalos	4	9	1	:	-	;	-	1		:	1	69	•		-	1					:	-	1	1	1	-	1	:	- 1	-	:	;	- 1	:	3	:	-	_
Tatal	-		-				_			-		20	1	-	-	_	20	Tun	Tumoron	T	Thront		7	-							_		_		_	_	_	_

1	1	1																															_	
1 2 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				;	i	1	1	1	1	:	1	-	*	-	-	-	1				-	_		:	i	+	- 1	1		:	1	+	:	<u>:</u>
2 3 2 3 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			-	61	09	60	01	н	H	1	10	30	60	16	19	19	64	Tumor (	Unspecifie	(pi	60	-	-	64	-	63	O.	-	64	60	00		-	_:
2 3 2 1 1 1 1 1 1	1	-	64	1	-	01	-	I	-	1	1	6	=	01	2	9	00		:	******	-	-	_	- 1	ì	1	1	-1	-	1	-	- 4	1	_:
1	_	02	01	01	-	-	-	-	1	1	10	5	H	7	14	13	13	3	:		-	1	-	C4	-	100	-	н	50	03	01	-1	-	<u>:</u>
1	-	1	-	1	-1	-	-	1	1	- (	7	10	00	7	00	*	-	Turn of	Life	-	1			1	- 1	1	0)	- 1	-	-	1	- 5	1	:
1		_	1	1	1	- 1	1	i	1	1	:	1	1	-	14	1	1	Tympan	Itle	***************************************	1		1	-1	- 1	1	-1	i	+	-	1	•	1	<u>:</u>
1			_	- {	;	1	1	1	1	_	1	1	-	•		1	1	Ulceron	Neck	-	1	_	_	- 1	1	1	- 1	i	+	- }	1		1	<u>:</u>
1   1   2   2   1   1   2   5   5   5   5   5   6   6   6   6   6	- 1	- ;	1		•	1	1	1	1	:	1	-	i	-	11	1	1	Ulceron	Penis	***************************************	1	- 1	1	:	- 1	1	1	i	1	-	I.	- 1	1	<u>:</u>
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Males	-;	1		i	1	1	1	1	1	1	1	-	*	1	I	1	Ulcerne	ar Pyloru		i				- 2	-	- 1	- 2	- 0	- 1	1	- >-	1	<u>:</u>
1   1   1   1   1   1   1   1   1   1	- 1		- 1	-	- 1	1	1	Ť	1				:	•	1	1	1	Ulcers	n Side	***************************************	1	1	- 1	-	- (	1	- 1	- 1	- 1	-1	1	-	-	<u>:</u>
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-			- 1	1	1	1	01	_	;	1	10	10	30	2	12	00	Ulcers (	Unspecifie	d)	1	.;	_	1	-	:	1	-	1	04	1	- 1	1	:
46 89 55 49 65 82 58 74 61 62 8 708 745 609 729 800 808 ". 655 19 8 6 47 50 61 68 44 55 51 3 505 636 636 649 68 709 ". 655 19 8 6 709 ". 655 19 8 709 ". 655	-			-1	1	1	1	-	1	:	-	*	7	7	4	7	10	:	3	-	1	- 4	-	-1	-	1	- [	-1	1	Q4	1	-	1	
93 139 97 91 115 146 134 118 119 14 6 1306 1393 1333 1471 1353 Unknown b 882 43 15 15 15 47 59 42 42 60 53 42 61 66 44 58 51 3 593 636 56 60 80 709 675 17 9 80 60 60 709 675 17 9 80 60 60 709 675 17 9 60 70 60 709 675 17 9 60 70 70 60 70 60 70 70 60 70 70 70 70 70 70 70 70 70 70 70 70 70	:		- 1	1	:	1	1	-	1	- 1	:	1	1	-	1	10	00		=		1	- (	- 1	1	ì	- 1	- !	-	- 1	4	1		-	_:
46 69 55 49 65 82 58 74 61 62 5 708 745 609 729 800 808 ". 605 19 8 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	Total 85	88	32	97		113		124	18	_	_	1306			388	1471	1523	Unknow	u	9	883	133	19	28	23	21 20	18	20	16 29	9 27	23	91	55	12
47 59 42 60 64 68 44 58 51 3 505 636 558 649 668 709 376 24 7 9  2	Males 47		_	13	61	_	83						745	629	723	800	808	:		-	505	19		9	S	7 10	9 0	10	7 14	15	56	61	10 8	83
2	Females 38		_	4	_	_	64						636	558	649	668	709	:		***************************************	375	24		11	13	14 10	91	60	9 15	51 15	11	7	7	77
2 " " " " " " " " " " " " " " " " " " "	Unknown.	+	_		1	1	1	1	Ť	1	п	60	24	5	10	60	9	:			01	_	-	- 1	İ	1	- 1	i	1	-:	- 1	4	1	
2 2 Urinary Diseases	- ;	1	1	_	i	1	1	1	-	1		1	1	1.0	-	- 1	1	Uramin.		-	1	4	- 1	1		1	- 1	- 1	1	-	;	-	-	<u>:</u>
1   2   2 Urinary Diseases   1   2   3   3   3   3   3   3   3   3   3	:				1	1	1	1			1	1	.04	- 13	1	1	-	:			1	- 1	-	1		- 1	- 1	i	-:	-1	- 4	- }	-1	_:
	-:	1	- 1		1	1	1	1		:	- 1	1	1	*	- 1	64	01	Urinary	Diseases	-	1	1	,	- 1	1	1	- 1	1	1	-	3	- 1	1	_:
	- 1	1	1	- 1	i	- 1	1	1			:	1	1	-	- 1	1	1	Urinary	Organs, D	is. of	1	1	- 1	1	i	1	1	1	+	- 1	1	_	1	_:
	- 1	_	-		- 1	1	-	1		1		-	-	-	1	1	1	Urine, R	etention o	f	1	$\overline{}$	4	1	i	1	-1	j	:	- 1	;	1	-	<u>:</u>
	Females		- !	1	i	-	1	1		1	1	-	01	-	64	04	00	Uterine	Tumor		-	_	-	1	1	-	1	1	-	1	1	7	1	<u>:</u>
	Females	+		1	1	1	1	1		7.	1	į	1	-	-	-1	1	Uterns,	Abscess of		1	_	-	- 1	i	÷	- (	1		1	1	1	1	<u>:</u>
Females	Females	+	1	1	1	1	1	1		1			1		1	1	1	Uterus,	Cauliff'r E	xcres.of	1		-	1	1	:	- 1	i	1	1	4	4	-	<u>:</u>

b See Ex. Z, p. 242.

Includes 4 deaths from fever sore.

TABLE XVII.—Continued.—Specified Causes of Death.

				ĭ	MONTHS, 1878	H8	Ħ.	29				_			YEARS	B.8.						A	GE	2	4	AGES IN PERIODS OF	OD	8		X E	ARS	ļ	YEARS.—1878.		
SEX.	January.	February.	April,	May.	Jane.	.July.	August.	September.	October.	November.	December.	пркиоми"	,8781	'2LST	1876,	1875,	1874.	1878.	CAUSES OF DEATH.	Under 5.	5 to 10.	10 to 15.	15 to 20.	.62 of 02	.05 to 30.	.68 of 08	.04 of 68	40 to 45.	45 to 50.	.66 to 66.	.60 to 65.	65 to 70.	. 70 to 75.	.08 01 67	S0 and over. Unknown.
Females	;	-	_;	- ;	- 1	1	1			;	-	:	01	F	1	-		1	Uterus, Dis. of	-	+	- ;	- 1	- 1	- ;	- 1		-	1	1	- 1	i	1		- :
Females	-	-	-	1	- 1	- 1	-;	- 1	-	-;	-	1	7	4	10	*	10	12	Uterus, Inflam. of	-	+	-:	-	- 1	01	~	H	-	÷	-	-	- 1	- ;	- 1	- 1
Females		- ;		_:	- 3	_ ;	- 1	-	- 1	-	-	+	i	-1	H	1		1	Uterus, Rupture of	1	-	- 1	-	3	;	- 3	1	1	1	- 1	_ <u>i</u>	- 1	- 1	- ;	:
Females	1	1	- :	- 1	- 1	1	1	i	:		÷	+	1		77	G.		64	Uterus, Ulceration of	1	1	-	-	- ;	- 1	-;	7		- 1	÷	-	- 1	. :	- ;	1
Males	1	1	- :	- ;	- 1	;	-0	-	1	;	÷	+	1	1	1	Ť		1	Vaccination	1	+	- 1	1	- 1	;	-1.	1	-	1	1	-	-:	- 1	- 1	- 1
Males		1	- 1	- 1	- 1	1	1		:	1	- :	1	1	1	04	1		1	Venereal Disease	1		- 1	1	:	- 1	- 1	1	- 1	1	- 1	3	- ;	- 1	- ;	1
Femalcs		1	- 7	- 1	1	4		1	1	1	;	+	1	1	04	1		1		1	1	:	:	- 1	1	;	:	1	i	:		3	- 1	- ;	1
Females		- 1	1	- 1	- 1		- 1	- ;	-	-	-	- 1	1	-	1	1		1	Vomiting	1	1	- 1	:		:	:	-	-	1	:	-	-		:	- 1
Males		- 1	:	1	- )	- 1	:	1		-	1	+	1	i	i	1		20	Whisky	1	1	- :	- 1	- 1	- 1	. :	- 1	1	1	1		- ;	- 1	:	:
Females		-	1	1	:	1	- 1	-:	- 1	i	1	-	1	1	i	1		-		1	1	- 1	-	-	)	- ;	1	1	1	:	-	-	- 1	- ;	-;
Males	- 1	- 1	:	- 1	- 1	;	- :	- ;	-:	- :	÷	+	- ;		i	-	4	01	White Swelling	-	1	-	-	- 1	Ý	1	:	1	1	1	-	_ 1	-1	1	- ;
Females	1	1	-:	1	1	- 1	3	- ;	1	-	-	÷	1	-	1	;		i		1	1	- 1	- 1	-	;	÷	:	-	-	1	_;	- 3	- 1	1	-:
Total 111		6	80	-	13	01	75	16	10	6	=	1	132	131	181	101	153	206	Whooping-cough	-	193	90	-	-	:	- 4,	7	1	-	1	-	-	į.	- ;	- 3
Males	10	10	-	01	2	-	133	10	10	00	Oi	-	79	19	68	43	99	105		1	65	-	- 1	4	-1	1	1	1	-	1	-	3	- ;	1	-:
Females	9	-	4	10	œ	0	=	9	C+	9	04	1	89	20	35	88	88	101		1	119	04	_	-	- 7	1	:	1	1	1	-	-	1	1	1
Unknown.	i	÷	E.	- 1	- ;	4	-,2	:	-:		÷	÷	1	1	1	1		1		1	1	÷	- 1	- 1		1	- 1	7	1	1	-	- ;	1.5		- 3
Total	1	-		0.	- 1	04	01	00	:	-	80	-	=	10	9	0	7	01	Worms	1	0	04		:	- 1		-	:	- 1	7	_:	- :	- 1	- ;	:
Males		1		- 1	;	-	-	20	- ;	- 4	64		00	00	63	:	94	-	=	1	00	- 1	-	- 5	- 7					1	- 1	_ ;	- 3		-;
Females.	i	1	-	-	1	-	-	-	-:	1	=	-	103	d+	60	10	2	-	*	-	=	01	- 1	- ;	- ;	1	-:	1	1		1	_	- 1	- ;	1
Males		4		1	1	70	1	1	- 4	1	÷	÷	1	1	7	01	1	1	Wounds, Army	1	+	- 1	:	- 1	Y	- 2	1	1	-	-	-:	-	1	- 5	1
Males	_			_							-	-		-	*	*	ò					_		_					i		-	_	-		Ī

The number of deaths tabulated as having been caused by "Casualty" in 1878 was 202, as shown by Table XVII., page 202, and by Exhibit R, page 239. The special causes tabulated as casualty are shown in Exhibit R.

EXHIBIT R.—Deaths in Michigan in 1878, Compiled as Casualty.

CASUALTY,—CAUSES AS RETURNED.	Num- ber.	CASUALTY,—CAUSES AS RETURNED.	Num- ber.
Total number, tabulated as Casualty in Table XVII	202	Accidentally fell on pen-knife blade and was stabbed to the heart	1
Accident in saw-mill	6	Killed by switch engine	1
Killed by Machinery	8	Killed on rollway	
Powder explosion	2	Thrown from wagon	8
Killed	5	Killed by a threshing machine	]
Killed in mine	6	Caught in threshing cylinder	1
Accidental	78	Dislocation of collar-bone	]
Injuries received while house was burn-		Crushed by a wagon	2
ing	1	Killed by a bull	4
Killed from lumber pile falling on him	1	Stepped on by an ox	1
Killed in lumber woods	1	Orushed in the pinery	1
Accidental shooting	16	Dislocated spine	1
By log falling	1	Killed during wind storm	1
Killed by elevator	1	Crushed leg from falling bridge	1
Accidentally run over	4	Team running away	5
Explosion of boiler	2	Accidentally falling on hay-knife	1
Falling rock	1	Bursting of a pulley	1
Killed by falling limb	8	Fell from a tree	1
Log rolled on him	4	Accidental fright of team	1
Drunk and run over	2	Fell from load of hay	1
Bursting of shingle-jointer	1	Killed by a saw	1
Injured by log	2	Stepped on by a horse	. 1
Fell and broke his neck	1	Leg cut off by mowing machine	1
Being run over by a roller	1	Buried in well	9
Hurt in mill	1	Fell from wind-mill	1
Injured by falling from a building	2	Fell from bridge	,
Struck with windlass	1	Accidental caving in of a sewer	,
Kicked by a horse	12	Fell from an elevator	

In Exhibit 9 the statistics of deaths from suicide in this State in 1878 are shown. There were 40 males and 23 females returned as having committed suicide in 1878, making 63 in all,—the largest number ever returned except for the year 1877. Hanging and poisoning were the reported means most generally employed.

EXHIBIT 9.—Certain facts concerning Persons Returned as having died by Suicide in Michigan during the Year 1878.

DATE OF DEA	ATH.	Age.	Condi-	Sex.	Color	Compatten	Nativita	Maron Trees
MONTH.	Day.	Age.	tion.	Sex.	Color.	Occupation.	Nativity.	Means Used
January	4	72	M.	M	w.	Farmer	New York	Not given.
January	5	24	M.	M.	w.	Laborer	England	Not given.
January	13	37	S.	M.	W.	Laborer	Ireland	Not given.
January	16	65	M.	M.	w.	Dyer	New York	Not given.
January	17	19	S.	F.	W.	Unknown	Michigan	Poison.
February	23	18	S.	M.	w.	Student	Michigan	Shooting.
February	23	60	Unk.	M.	w.	Unknown	Germany	Hanging.
March	5	40	M.	M.	w.	Laborer	New York	Not given.
March	10	46	M.	M,	w.	Blacksmith	Unknown	Not given.
March	14	31	S.	M.	w.	Printer	Holland	Not given.
darch	20	42	M.	F.	w.	House-work	Germany	Paris Green.
March	24	47	M.	M.	w.	Druggist	New York	Poison.
April	1	28	M	F.	w.	House-keeper	Unknown	Poison.
April	7	40	M.	M.	w.	Laborer	Ireland	Not given.
April	17	33	s.	M.	w.	Hotel-keeper	Michigan	Morphine.
April	18	26	S.	F.	w.	Hotel-girl	Michigan	Poison.
April	25	18	S.	F.	w.	House-work	Michigan	Not given.
Мау	1	41	M.	F.	w.	House-keeper	New York	Drowning.
Гау	3	38	M.	F.	w.	Farmer	Germany	Not given.
Иау	6	23	S.	M.	w.	Not given	Unknown	Not given.
day	7	55	Unk.	M.	w.	Unknown	Germany	Hanging.
fay	14	87	w.	M.	w.	Farmer	England	Pistol Shot.
fune	2	Unk.	s.	M.	w.	Unknown	Germany	Not given.
fune	4	45	M.	M.	w.	Farmer	Scotland	Not given.
une	15	56	М.	F.	w.	House-wife	New York	Poison.
une	15	57	M.	F.	w.	House-wife	Germany	Not given.
une	16	51	M.	F.	w.	House-wife	New York	Hanging.
fune	21	22	M.	M.	w.	Farmer	Michigan	Drowning.
fune	23	21	s.	M.	w.		Michigan	
fune	26	44	M.	M.	w.	Sh		
fune	27	49	M.	M.	w.			
fuly	9	34	M.	F.	W.,			

## CAUSES OF DEATH,—SUICIDES.

EXHIBIT 9.—Continued.—Suicidal Deaths, 1878.

DATE OF DE.	ATH.	Age.	Condi-	Sex.	Color.	Occupation.	Nativity.	Means Used.
MONTH.	Day.	Ago.	tion.		Color.	Occupation.	Nativity.	means Useu.
July	14	22	M.	M.	w.	Unknown	Michigan	Shooting.
July	21	70	M.	M.	w.	Retired Farmer	New Hampshire	Poison.
July	28	50	M.	M.	w.	Laborer	Scotland	Not given.
Jaly	30	84	M.	F.	w.	House-wife	England	Not given.
August	4	22	M.	F.	M.	House-wife	Obio	Hanging.
August	12	65	w.	F.	w.	Not given	Holland	Not given.
August	14	30	M.	F.	w.	House-keeper	Michigan	Poison.
August	15	51	M.	M.	w.	Gardener	Germany	  Shooting.
August	17	28	s.	м.	w.	Laborer	Germany	Not given.
August	30	42	M.	м.	w.	Capt. of Tug	Pennsylvania	Shooting.
August	81	43	M.	F.	w.	House-wife	Germany	Hanging.
September	1	84	w.	M.	w.	Farmer	Vermont	Hanging.
September	5	50	M.	M.	w.	Farmer	Scotland	Not given.
September	16	16	S,	r.	w.	Laborer	Michigan	  Strychnine.
September	24	38	М.	F.	w.	House-wife	Michigan	Not given.
September	26	38	M.	M.	w.	Farmer	Ohio	Shooting.
October	8	40	M.	M.	w.	Saloon-keeper	Germany	Pistol Shot.
October	10	23	s.	M.	w.	Unknown	New York	Shooting.
October	14	22	S.	M.	w.	Farmer	Michigan	Not given.
October	15	47	M.	M.	w.	Farmer	Michigan	Drowning.
October	17	32	M.	M.	w.	Brick-maker	Unknown	Shooting.
October	18	76	w.	M.	w.	Gardener	Prussia	Hanging.
November	11	24	S.	F.	w.	Domestic	Michigan	Not given.
November	11	83	M.	F.	w.	House-wife	Ohio	Opening vein in arm.
November	17	32	M.	M.	w.	Carpenter	Germany	
November	22	48	M.	M.	w.	Merchant	New York	Hanging.
November	30	52	M.	M.	w.	Laborer	Germany	Not given.
December	6	60	M.	M.	w.	Physician	Prussia	Laudanum.
December	11	26	M.	F.	w.	House-keeper	Michigan	Not given.
December	16	19	s.	F.	w.	Courtesan	Unknown	Not given.
December	23	58	м.	F.	w.	Farmer	Ohio	Hanging

Suspension.....

## EXHIBIT 9.—CONTINUED.—Suicidal Deaths, 1878.

OCCUPATIONS		No.	OCCUPATIONS		No.	OCCUPATION	S.	No
Black-smith		1	Farmer, Retired		. 1	Physician		
Brewer		1	Gardeners		. 2	Printer		
Brick-maker		1	Grain Dealer		1	Saloon-keeper		
Captain of Tug		1	Hotel Girl		. 1	Shoe-maker		
Carpenter		1	Hotel-keeper		. 1	Student		-
Courtesan		1	House-keepers		- 4	Unknown		. 1
Domestic		1	House-wives		. 9			-
Druggist		1	House-workers		. 2	Total		6
Dyer		- 1	Laborers		8	1		
Farmers		11	Merchant		- 1			
NATIVITY.		No.	NATIVITY.		No.	NATIVITY		No.
England		3	New Hampshire		. 1	Scotland		
Germany		12	New York		10	Unknown		- 1
Holland		. 2	Ohio		. 5	Vermont		-
Ireland		2	Pennsylvania		. 2			
Michigan		15	Prussia		. 2	Total		- 6
	Num	BER.		Num	BER.		Num	BEE.
MEANS USED.	Males,	Fe- males.	MEANS USED.	Males.	Fe- males.	MEANS USED.	Males.	Fe- males
Drowning	2	1	Morphine	1		Poison	2	-
Hanging	8	4	Not given	19	10	Shooting	9	
Laudanum	1	and a	Opening Vein in Arm	1	1	Total	40	2

## EXHIBIT Z .- Deaths in Michigan in 1878, Compiled as Unknown.

CAUSES AS RETURNED.	Males.	Fe- males.	Un- known.	CAUSES AS RETURNED.	Males.	Fe- males.	Un- known.
Total number compiled Un- known in Table XVII	708	595	3	Exhaustion	3	2	
Congestion	3	1	1	Exhaustion and want of care			
Natural causes	1			Operation		1	*****
Female Disease		1		Chronic Disease	-	1	
Ananosis		1	*****	Memb anous	1	-	
Chronical		1					
Private Disease		I,					
emale Complaint							
Rush of Blood to Head	1						

The fifteen principal conditions and causes of death in Michigan in 1878 caused 56.93 per cent, of all the deaths reported, as shown by Table XVIII. Consumption heads the list of principal causes, and the decedents from this disease constituted 12.85 per cent. of the deaths from all causes in 1878. Next to consumption comes diphtheria, which is reported to have caused 887 deaths in this State in 1878, which is 6.95 per cent. of the deaths from all causes. This is the first time that diphtaeria has ranked so high in the list of principal causes. The number of deaths represented in this Table composes 56.93 per cent. of all the deaths returned for the year 1878.

TABLE XVIII.—Order of Succession of Fifteen Principal Conditions and Causes of Death in Michigan in 1878, according to the Returns, Exhibiting for each Specified Condition and Cause, by Sex, the Number of Deaths, and the Per Cent. of Deaths from each Cause to Deaths from All Causes.

ER.	SPECIFIED CAUSES AND	Num	BER OF DE	ATUS.	PER CENT TO DEATH		
ORDER.	CONDITIONS, 1878.	Total.	Males.	Females.	Total.	Males.	Females.
1	Consumption	1,641	729	912	12.85	10,99	15.00
2	Diphtheria	887	396	491	6.95	5.97	8.07
8	Still-born	a 798	- 444	307	6.21	6,69	5,05
4	Old Age	579	281	298	4.54	4.24	4,90
5	Pneumonia	462	275	187	3.62	4.15	3,07
6	Scarlet Fever	429	217	212	3.36	3,27	8,49
7	Heart Disease	832	187	145	2.60	2.82	2.38
8	Typhoid Fever	829	176	153	2,58	2.65	2.52
9	Apoplexy and Paralysis	328	168	160	2.57	2.53	2.63
10	Convulsions and Fits	288	157	181	2.26	2.27	2.15
11	Cancer	269	116	153	2.11	1.75	2.52
12	Dropsy	249	114	135	1.95	1.72	2.22
18	Cholera Infantum	. ь 243	125	116	1,90	1,88	1.91
14	Brain, Inflammation of	225	107	119	1.76	1.61	1.94
15	Bowels, Inflammation of	214	109	103	1.68	1.64	1.78
	Potal	c 7,268	3,601	3,628	56.93	54.80	59.57
	All Causes	d 12,766	6,632	6,082	100.00	100.00	100.00

<sup>Includes 42 unknown sex.
Includes 44 unknown sex.</sup> 

b Includes 2 unknown sex. d Includes 52 unknown sex.

EXHIBIT T.—Order of Succession of Fifteen Principal Causes of Death in Michigan for each of the Years 1873-78.

OEDEE.		1874.		1875.		1876.		1877.		1878.	
l Consumption	-	447 Consumption	1,392	1,392 Consumption	1,479	1,479 Consumption	1,500	1,890 Consumption 1,664 Consumption	1,664	Consumption	1,641
2 Pneumonia		706 Pneumonia	9	800 Pneumonia	745	745 Still-born	846	646 Still-born	720	720 Diphtheria	88
8 Typhoid Fever		677 Typhoid Fever	610	610 Still-born	65	629 Pneumonia	627	627 Diphtheria	593	593 Still-born	Z
4 Scarlet Fever		573 Still-born	184	464 Typhoid Fever	433	433 Old Age	483	483 Old Age	88	489 Old Age	679
5 Old Age	- <del>-</del> -	428 Scarlet Fover	440	440 Scarlet Fover	<b>53</b>	423 Typhoid Fever	436	426 Pneumonia	465	465 Pneumonia	462
8 Spinal Fever		28 Old Age	428	428 Old Age	878	873 Scarlet Fever	88	399 Typhoid Fever	446	446 Scarlet Fever	<del>2</del>
7 Diarrhea		356 Diarrhea	38	865 Cholora Infantum.	88	289 Apoplexy and Paral.	837	837 Scarlet Fever	101	404 Heart Disease	333
8 Brain, Infl. of		333 Heart Disease	330	320 Heart Disease	88	289 Cholera Infantum.	831	831 Cholera Infantum.	870	370 Typhold Ferer	8
9 Heart Disease		315 Dysentery	30.5	302 Diarrhea	883	283 Heart Disease	850	320 Heart Disease	367	367 Apoplexy and Paral.	328
10 Dysentery		313 Cholera Infantum.	278	278 Apoplexy and Paral	823	259 Diphtheria	311	311 Apoplexy and Paral	82,50	329 Convulsions and Fits	88
11 Cholera Infantum		306 Brain, Infl. of	261	261 Convulsions and Fits	238	238 Diarrhea	70%	304 Convulsions and Fits	88	298 Cancer	503
12 Convulsions and Fits		306 Convulsions and Fits	238	238 Brain, Infl. of	233	232 Brain, Infl. of	275	275 Brain, Infl. of	8	291 Drepsy	249
13 Bowels, Infl. of		285 Apoplexy and Paral.	232	232 Bowels, Infl. of	818	218 Convulsions and Fits	275	275 Cancer	265	265 Cholera Infantum.	243
14 Childbirth		254 Deopsy	7.58	226 Casualty	215	215 Cancer	241	241 Diarrhea	288	265 Brain, Infl. of	222
15 Apoplexy and Paral.		251 Diphtheria	213	213 Dropsy	215	215 Bowels, Infl. of	88	289 Bowels, Infl. of	<b>22</b>	226 Bowels, Infl. of	#6

TABLE XIX.—Deaths, in Michigan, from Ten Specified Causes during the Year 1878, Exhibiting the Number of each Sex, Total Number in each Month, and at different Periods of Age, according to the Returns.

					CAU	ses of I	Эвати,—	1878.			
8	EX, MONTHS, AND AGES.	Cancer.	Cepha- litis.	Croup.4	Diar- rhea.b	Diph- theria.	Dysen- tery.c	Monsles.	Scarlet Fever.	Typhoid Fever.	Whoop- ing Cough.
	Total	269	225	236	178	887	158	16	429	829	132
8 W.	Males	116	107	134	91	396	83	8	217	176	64
	   Females	158	118	103	82	491	73	8	212	153	68
	January	17	6	23	4	56		1	32	11	11
	February	21	22	13	3	03	2	1	34	13	9
	March	16	15	11	5	51	2	8	41	16	8
	April	23	19	15	4	40		4	85	14	9
	May	83	10	11	5	43	4	1	31	21	7
	June	17	22	8	10	34	6		23	18	13
E H	July	26	19	11	39	86	20		22	21	10
MONTHR	Angust	26	28	8	47	58	60	1	81	42	¥ <b>4</b>
Ξ,	September	22	27	2i	30	113	39	1	27	51	16
	October	25	18	27	12	131	13	2	26	52	5
	November	17	20	43	7	184	8		52	41	9
	December	26	19	45	7	127	4	2	75	31	11
	Unknown					2					
	Av. Monthd	22	19	20	14	74	13	1	36	27	11
	Under 5	7	145	195	152	366	127	11	276	87	123
	5 to 10		15	30	4	809	4	2	104	38	3
	10 to 15		10	7		181			26	32	1
	15 to 20	1	14		2	41		1	12	42	1
	20 to 25	9	12			10		1	2	21	
	25 to 80	6	3		1	5	2		3	20	
	80 to 85	9	3			4	1		1	17	·
	85 to 40	14	3		1	1	1	1		17	••••
AGES.	40 to 45	18	8			1	2		1	17	
8	45 to 50	80			8	8	2			13	<b></b>
	50 to 55	27	1	1	1	8	4			16	
	55 to 60	40	5		1	8	1	<b> </b>	1	12	
	60 to 65	31	3	1	2	1				9	
	65 to 70	36	2			<b> </b>	8			17	1
	70 to 75	16		<u> </u>	1	1	8			6	
	75 to 80	11	1		5	1	2			7	
	80 and over	13	1			1	5			2	
	Unknown	8	4	2	<b> </b>	6	1		8	6	8

a Includes 37 Membranous Croup. h Includes 12 Chronic. Includes 1 Chronic. d Excluding unknown month.

<sup>31-1878.</sup> 

TABLE XX.—Per Cent. of Deaths during the Year ending December 31, 1878, from each of Ten Specified Causes, to Deaths from All Causes; and Per Cent. of each Sex, of Deaths in each Month, and at different Periods of Life to Total Deaths from each Specified Cause.

£	EX, MONTHS,			CAUSE	OF DEA	тн,—1876	B. PER (	CENT. OF	TOTAL.		
S	AND AGES.	Cancer.	Cepha- litis.	Croup.	Diar- rhea.	Diph- theria.	Dysen- tery.	Measles,	Scarlet Fever.	Typhoid Fever.	Whoo ing Cougi
'er	Ct. of All Causes	2.11	1.78	1.85	1,36	6.95	1.24	.18	8.36	2.58	1.0
i	Males	43,12	47,56	56.78	52,60	41.64	53,90	50.00	50.58	53.50	48.
4	Females	56.88	52.44	43.22	47.40	55.36	46.20	50.00	49.42	46.50	51.
	January	6.32	2,67	9.75	2.31	6.31		6.25	7,46	3.34	8.
	February	7.81	9.78	5,51	1.73	7.10	1.27	6.25	7,93	3,95	6.
	March	5,95	6.67	4.66	2,89	5.75	1.27	18.75	9.56	4.86	6.
	April	8.55	8.44	6,36	2.31	4,51		25.00	8, 16	4.96	6.
	May	12.27	4.44	4.66	2,89	4.74	2.53	6.25	7.23	6.38	5.
	June	6.32	9.78	8.39	5,78	3.83	8.80		5.36	8.95	
	July	9,66	8.44	4.66	22,54	4.06	12.66		5, 13	6.38	7
	August	9.68	12.44	3.39	27.17	6,54	37.97	6.25	7.28	12.77	18.
1	September	8,18	12.00	8,90	17.84	12.74	24.68	4,25	6,29	16.41	12
	October	9,29	8,00	11.44	6.94	14.77	8.23	12.50	6.06	15.81	3
	November	6,32	8.89	18.22	4.05	15.11	5,06		12.12	12.46	6
	December	9.67	8.44	19.07	4.05	14.82	2.53	12.50	17.48	9.42	8
	Unknown					.92					
	Av. Month	8,33	8.33	8,33	8.33	8.32	8.33	8.33	8,33	8.83	8
	Under 5	2,60	61.44	82.63	87.86	41.26	80,88	68,75	64.84	11.24	95
	5 to 10		6.67	12.71	2.31	84.84	2.53	12.50	24.21	11.55	2
,	10 to 15		4.44	2.97		14.77			6.07	9.78	ŀ
	15 to 20	.87	6.22		1.16	4.62		6.25	2.80	12.77	
	20 to 25	.74	5.83			1.13		6.25	.46	6.38	
	25 to 80	2,23	1,83		.58	.56	1.27		.70	6.08	
	30 to 35	3.35	1.83			.45	.63		.23	5.17	
	35 to 40	5.20	1,83		.58	.11	.63	6.25		5.17	
	40 to 45	6.69	1,33			.11	1.27		.23	5.17	
•	45 to 50	11.15			1.73	.34	1.27	<u> </u>		3.95	
	50 to 55	10.04	.44	.42	.58	.34	2.53			4.86	
	55 to 60	14.87	2.22		.58	.34	.63	l	.23	3.65	
	60 to 65	11.52	1.33	.42	1.16	.11				2,73	
	65 to 70	13,38	.89				1.90			5.17	
	70 to 75	5.95			.58	.11	1.90			1.82	
	75 to 80	4.09	.45		2.89	.11	1.27			2.13	
	80 and over	4.83	.45			.11	8, 16			.61	
	Unknown	2.97	1.78	.85		.68	.63		.70	1,83	2

<sup>.</sup> Excluding deaths in unknown month.

Cancer.—Two hundred and sixty-nine deaths from this disease were returned for the year 1878, which is 2.11 per cent. of the deaths from all causes. This is the largest number of deaths from cancer ever returned to the State Department for any one year; the number returned has constantly increased each year since 1872. In 1878, the largest proportion appears for the month of May, and, of the different periods of age, the largest proportion appears for decedents aged 55 to 60 years. It appears, by Table XX., that only 3.71 per cent. of all the decedents from cancer in this State, in 1878, were under 25 years or age. Of the 269 deaths from this disease the part of body affected by the cancer was stated in only 129 cases (47.96 per cent.), as shown by Exhibit S. The stomach was the organ most frequently affected by cancer in 1878; next in order, the breast, and next the womb.

EXHIBIT S.—Deaths of Persons Returned as having Died from Cancer in Michigan during the Year 1878, indicating part of body affected.

AS RETURNED.	Total.	Males.	Fe- males.	AS RETURNED,	Total.	Males.	Fe- males.
*Carcinoma Uteri	1		1	Bone Cancer of Thigh	1	1	***
Cancer in Stomach	53	32	21	Cancer of Neck	4	3	1
Cancer in Throat	4	1	8	Rose Cancer	2	2	
Cancer of Bowels	5	1	4	Scrofulous Cancer	1	1	
·Cancer of Breast	19	1	18	Cancer of Hand	1	1	
Cancer of Liver	1	1		Scirrhus	1		1
Cancer Tumor	1		1	Cancer of Lip	1	1	
Schirrns Cancer in Stomach	1	1		Cancer of Rectum	2	2	
Inward Cancer	3	1	2	Cancer of Spleen	1		1
Cancer of Womb	14		14	Frog Cancer on Leg	1	1	
-Cancer in Mouth	1	1		Cancer on Leg	1	1	
Cancer on Face	7	6	1			-	
Cancer of Kidneys	1	1		Total Specified	129	61	68
-Cancer on Head	1	1		Cancer (Unspecified)	140	55	85
-Cancer in Lungs	1	1		Aggregate	269	116	153

Measles.—Only 16 deaths from measles were reported for the year 1878,—a very small number in comparison with any previous year. During the four months of March, April, October, and December 68.75 per cent. of all the deaths from measles in 1878 occurred, and 68.75 per cent. of all the decedents were under 5 years of age.

Whooping-Cough.—In the returns of deaths for the year 1878 there were 132 deaths returned as having occurred from whooping-cough. A larger percent of these occurred in August than in any other month, and 93.18 percent of all the decedents from this disease were under 5 years of age.

## METEOROLOGICAL CONDITIONS, AND THEIR RELATIONS TO DEATHS.

The meteorological conditions to which study is given in this work are those observed at the State Agricultural College, near Lansing. As this station is near the center of the thickly-settled portion of the State, it is thought to epresent, more nearly than other stations, the conditions which prevailed here the greatest proportion of the deaths in Michigan occurred.

the following tables and exhibits some of the most important diseases are ared with the principal meteorological conditions, so that any coincipal the deaths from those diseases with any of the stated conditions can learned.

EXHIBIT 10.—TEMPERATURE.—Average by Years and by Months, for the Years 1869 to 1878, inclusive, at the Agricultural College, near Lansing, Michigan, and near the center of the thickly-settled part of the State. (Results of Observations by Prof. R. C. Kedzie.)

YEARS.	ANNC	A	VERA	E TE	MPERA		, STAT BY <b>M</b> O		DEGE	ers F	AURE	NHBIT,	
	AVER-	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct	Nov.	Dec
1869	46.27	29.33	26.66	27.60	45.70	56.02	64.45	70.35	70.58	63.45	40.80	32.05	28.1
1870	49.11	25.37	24.25	80,28	50.39	64.32	70.87	74.40	70.11	63.66	52.45	38,40	37.6
1871	47.93	24.75	25.63	38,18	50.13	61.39	68.21	70.60	71,19	58,10	53.91	31.95	2L
872	45.54	21.59	21.34	24.75	47.39	58.48	71.82	74.91	7L22	62,03	47.41	29.80	15.
1978	44.54	15,87	19.10	28.30	43.17	56.98	70,60	70.82	69.49	57. <b>3</b> 8	44.68	28.49	<b>29</b> .
874	47.32	27.70	25.51	82.30	86.87	59.58	70.61	72.02	69.39	62.85	49.10	85.00	26.
1875	43.09	12.87	8.85	26.20	43.11	60.52	66.57	69.67	65.48	58,50	42.93	82,96	31.
1876	46.17	30.22	27.38	30.55	44.16	57.95	69.14	72.48	71.55	56.30	43.74	36.33	15.
1877	47.42	18,07	32.31	24.51	46.16	58.25	65.93	71,43	68.46	61.28	50,83	35,94	36.
873	48.29	29.11	28.07	40.90	50.55	54.57	64.08	73.04	70.15	63.15	48.83	36.29	21.
Av. for 10 Years	46.57	23.49	23,86	30.86	45.56	58.84	68.13	71.97	69.76	60.67	47.49	33.65	25.

Average for 10 years ending with 1878.

TABLE XXXI.—Temperature.—Exhibiting the Mean Temperature, the Highest and Lowest Temperature, the Monthly Range, the Mean Daily Range, the Mean Range from Day to Day, and the Greatest Rise or Fall of Thermometer in 24 hours and in 14 hours, for each Month of the Year 1878, at the Agricultural College, near Lansing, Michigan.

					7	CRMPE	RATU	re,-	FAHREN	HEIT,	, 1878.	•		
YEAR AND	Dally Ob-	TI	GIST ING ERMO	om-		RAGE NGE.	13	24 Hc	CHANGE DURS,—2 2 P. M.	IN	14 Ho	CHANGE URS,—7 9 p. m.	REGIST THERMON GREA CHANGE HOU	TEST
MONTHS, 1878.	Average of 3 servations,—	Highest.	Lowest.	Range.	Dally,-7 A. M. to 9 P. M.	From Day to Day,-2r. w. to 2 P. M.	of I	rees Rise Fall.	Day of Month.	of .	grees Rise Fall.	Day of Month.	Degrees of Change.	Day of Month.
Year 1878	48.29	98	-7	105	13.63	16,05	F.	40	Mar. 24	R.	33	3, 4	40	Mar. 23
January	29.11	48	-4	52	9.00	11.03	F.	23	23	R.	21	29	23	22
February.	28,07	55	-7	62	14.59	15.93	F.	34	8	R.	83	8, 4	37	2
March	40.90	72	18	54	12,06	16.77	F.	40	24	R.	23	5, 15	40	:3
April	50.55	75	29	46	14.07	15.77	R.	26	2	R.	26	2	81	4, 12
May	54.57	77	29	48	13.08	15.45	R.	25	2	R.	23	31	28	2
June	64.08	94	39	55	15.80	18.73	R.	27	25	R.	27	25	33	24
July	73.04	98	47	51	14.32	13.10	F.	80	2	R.	26	23	36	1
August	70.15	93	39	54	17.71	19.74	R.	29	26	R.	29	26	88	26
September	63.15	92	31	61	17.43	20.30	R.	29	6	R.	29	6	32	14
October	48.33	82	21	61	16.03	18 59	R.	32	20	R.	81	6, 12	82	6
November	36.29	52	15	37	11.57	12.60	F.	30	3	R.	25	8	36	2
December.	21.29	36	-2	38	7.90	9.55	lF.	18	15	R.	17	8	21	7, 22

Diagram Sto. 6.

months, for the years 1875, 1876, 1877, and 1878, ears onling with 1878, at the Agricultural G. Baker. . 10 Degrees to the inch. Designed by openry

EXHIBIT 11.—Absolute Humidity.—Grains of Vapor in a Cubic Foot of Air, by Months, for the Years 1869 to 1878, inclusive, at the Agricultural College, near Lansing, Michigan.

YEARS.	ANNU-		(	FRAIXS	OF VA	POE IN	Cubic	<b>Гоот</b>	of Ai	R, BY )	CONTR	B.	
	AVER- AGE.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec
1889	3.42	1.93	1.78	1,49	2.56	8.65	5.52	6.49	6.56	5.13	2.56	1.89	1.5
1870	8,90	1.50	1.35	1.76	3.06	4.92	6.45	7.19	6.54	5.45	8.95	2.22	1.7
1871	8.56	1.63	1.59	2,28	8.00	4.53	5.77	6.35	6.43	4.41	3,48	1.89	1.8
1872	3.70	1.81	1.28	1.32	2,99	4.29	6.78	7.33	7.15	5.57	3,40	1.89	LI
1873	3.36	1.14	1.43	1.52	2.71	4.00	5.85	6.45	6.29	4.50	2.92	1.78	1,8
1874	3,36	1.58	1.55	2.00	2.08	8.77	6.07	6.00	5.75	4.72	8.15	2.06	1.5
1875	8.11	0,92	0.73	1.63	2,12	8.74	5.17	5.91	5.22	4.88	2.57	1.84	2.0
1876	3.40	1.88	1.57	1.78	2.26	3.93	5,95	6.76	6.81	4.43	2.56	2.26	1.0
1877	8.45	1.19	1.85	1.53	2,47	8.79	5.32	5.76	5,74	4.82	8,59	2.22	2.3
1878	3,69	1.82	1.91	2.80	3.51	3.68	5.05	6.83	6.06	5.18	8.88	2.44	1.6
Av. for 10 y'rs.	8.50	1.50	1.50	1.81	2.68	4.03	5.79	6.51	6.21	4.86	3.16	2.04	1.6

<sup>•</sup> Average for 10 years ending with 1878.

Diagram Sto. 7.

7.00 . 6.80 6.60 6.40 620 6.00 580 5.60 540 520 5:00 4.80 4.60 4.40 420 4.00 3.80 3.60 3240 3.20 3.00 2.80 2.60 2.40 2,20 200 1.80 160 Designed by Keny & Baker inck.

Diagram Sto. 8.

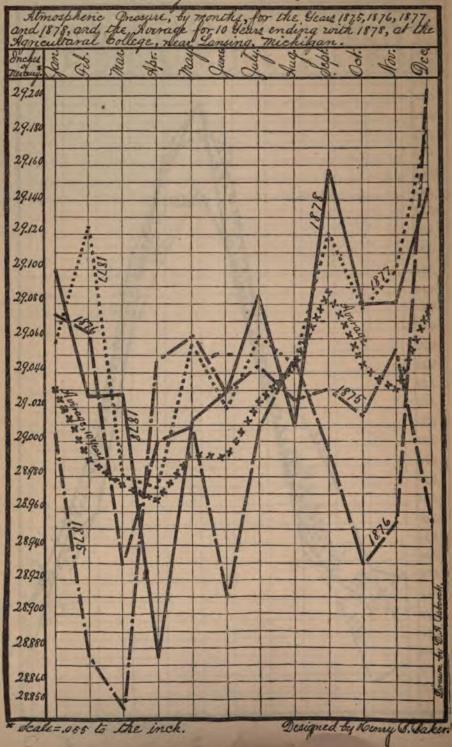


EXHIBIT 12.—PRESSURE OF THE ATMOSPHERE.—Observations of Barometer reduced to freezing point, and corrected for instrumental error (+.12) previous to 1875, for each of the years 1869 to 1878, inclusive, and the Average for 10 years ending with 1878, at the Agricultural College, near Lansing, Michigan. (Based upon Observations made by Prof. R. C. Kedzie.)

88.	ANNU-	1	PRESSUR	E OF TE	и Атис	SPHER	BY MC		CHES OF	MERCT	TRIAL C	OLUMN,	
YEABS.	AVER-	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1869	29,007	28,950	28.959	29,054	28.947	28,869	28,976	28,961	29,088	29.140	29.040	28,963	29.11
1870	28,996	28.987	28,927	28.965	29,022	28.977	2년.000	28,956	29.010	29.142	29,059	29.023	28.89
1871	23,938	29.023	28.936	28.930	28.812	29.024	28,985	29.011	29.027	29,158	23,029	29.084	29,00
1872	. 29.007	28,959	28,962	29,081	28.972	28.988	28.939	29.044	20,087	29.010	29,099	29.001	29,11
.1873	28.934	28.993	28,967	28.972	28,918	28,946	28,960	29.034	<b>29.04</b> 7	29.048	29.037	28,953	29.04
.1874	29.053	29, 168	29.048	29.015	29.061	29,984	28,998	29.027	29.044	29.066	29.073	29.057	29.12
1875	28,998	27.005	28,875	28,844	29.047	29.061	29.029	29.044	29.025	29,031	29.016	29.054	28,95
1876	29.010	29,073	29.063	28.929	29,000	29.009	28.911	29.009	29.048	28.995	28,929	28.958	29.20
1877	29.066	29.057	29,124	23.981	28,974	<b>29.05</b> 6	29,020	29,062	29.046	29.121	29,077	29.099	29, 18
:1878	29,053	29,099	29.026	29.027	28,873	29.018	29.030	29.095	29.010	29.157	29.080	29.081	29.14
.Av	29.017	29 031	28,989	28,975	28,966	28.993	28,991	29.024	29.043	29.087	29.014	29.029	29.07

<sup>.</sup>a Average for 10 years ending with 1878.

<sup>32-1878.</sup> 

TABLE XXX.—Exhibiting, for the Year, for each Month, and an Average Month, during the Year 1878, the Average Height and Range of Barometer, the Direction of the Prevailing Winds, the Relative Humidity, the Per Cent. of Cloudiness; the Number of Days on which it Rained or Snowed, and the Depth of Rain and Melled Snow, in Inches, at the Agricultural College near Lansing, Michigan.

	duced to 32" Average.	er.	DA	YS O	r Pr	EVAL	LING	WIN	D8, 1	978.	y, or Per	Cloudiness of ge.	on which	Snow, in	Ozo: RELA MAX	TIVE.
YEAR AND MONTHS, 1878.	Barometer, Reduced Fahrenheit, Averag	Range of Barometer.	North.	North-east,	East.	South-east.	South.	South-west.	West.	North-west.	Relative Humidity, or Cent. of Saturation,-	Per Cent. of Clou Sky,-Average.	Number of Days on v	Rain and Melted Inches.	Day,-7 A. M. to 2 P. M.	Night, -9 P. M.
Year, 1878	29,053	1.276	19	45	11	29	15	108	65	61	79	58	134	31.99	3.50	3.42
January	29.099	.709	4	2	1	4	8	7	5	5	8)	76	13	1.12	3.74	4.48
February	29.026	1.033		8				8	.5	5	89	56	12	2.74	5.00	5.33
March	29.027	.912	4	3	2	6		7	2	6	83	72	13	3.12	4.68	4.94
April	28,875	.929	2	5	1	5		7	3	- 6	60	59	12	3.76	4.37	4.53
May	29,013	.741		4		3	2	6	8	8	61	54	19	3,41	3.97	4.10
June	29.030	.677	2	3	3		2	12	4	4	73	45	8	3.15	3.17	3.00
July	29,085	.611	2	7	2	- 2		9	6	3	68	37	12	2,96	2.10	1,74
August	29,010	.434		-5	1		3	10	7	5	74	40	8	1.85	2,32	1,52
September	29, 157	.903	2	1		2	2	13	8	2	78	45	7	3.43	2.23	1.60
October	29.080	.684	1	1		2	3	12	7	4	76	54	12	1.99	2,71	1.97
November	29.081	.904	2	3	1	2		5	3	9	87	68	10	2.16	3,17	8.14
December	29,147	1.062		3		2		12	7	4	95	89	15	2,27	4.55	4.74
Monthly Av	29,053	.802	1.58	3,75	.92	2.42	1.25	9,00	5.42	5.08	79	58	11.17	2,67	3.50	3.42

TABLE XXXII.—Some Meteorological conditions at Certain Localities in Michigan, by Months, during the Year 1878.

4		Витконт, Місн.	Міся.		Ħ	ESCANABA, MICH.	MICH.		<b>GB</b>	Сваир Начен, Міон.	EX, M101	انوا	7	Манциетте, Місн.	E, MICH.	
MONTHS, 1878.	Average Barome- ter.	Average Temper- ature,— Fahr.	Total Rain- fall, in	Prevail- ing Winds.	Average Barome- ter.	Average Temper- ature,— Fahr.	Total Rain- fall, in Inches	Prevail. ing Winds.	Average Barome- ter.	Average Temper ature,— Fahr.	Total Rain- fall, in Inches.	Prevail- ing Winds.	Average Barome- ter.	Average Temper ature,— Fahr.	Total Rain- fall, in Inches.	Prevail- ing Winds.
YEAR, 1878	29.267	8.67	43.39	8. W.	29.200	97.9	82.73	z.	29.280	8.03	33.75	м. м.	29.199	46.3	\$6.19	N. W.
January	29.817	28.0	3.04	₩.	29.360	25.5	0.31	×	29.353	81.9	134	න්	29.766	24.7	1.68	N. W.
February	29.249	80.63	9.58	8. W.	29.307	27.5	0.89	zi.	20.250	31.0	1.49	Ħ	27.169	2.3	1.25	N. W.
March	29.239	40.9	18 8	S. W.	29.281	85.8	0.78	z	29.259	42.9	4.51	S. E.	29.144	29.7	1 69	N. W.
April	29,096	53.3	2.06	N.	29.138	44.1	5.13	ż	20.113	52.0	2.10	8. Ei	120.021	44.6	8.73	N. W.
May	20.235	56.0	2.77	₩.	29.247	48.1	3.99	σċ	20.262	53.1	2.57	N. W.	29.178	47.9	1.73	N.W.
Juno	20.254	6.49	3.36	S. W.	29.272	59.4	6.49	ம்	29.276	62.7	1.85	z	29.215	59.0	8.83	N. W.
July	29.288	73.9	8.78	8. W.	29.533	1.17	1.56	ż	29.323	73.0	2.27	N.W.	20, 253	70.2	1.78	N.W.
August	29.231	71.6	2.92	8. W.	23.33	67.6	2.28	øż.	29.244	70.4	3.35	N.W.	20.161	<b>88.7</b>	2.56	N.W.
September	20.888	4.4	8.74	. ₩.	29.353	58.4	G. 15	ø	29.387	62.9	<b>3</b> .04	ம்	29.273	7.00	5.37	×.
October	29.315	51.7	80	8. W.	29.253	44.6	4.17	N. W.	29.318	51.2	6.97	si.	29.163	46.6	7.	≱.
November	29.808	¥0.4	3.10	₩.	29.423	85.9	0.75	N. W.	29.349	41.6	1.44	ਬੰ	29.267	38.4	3.0	න් ග්
December	29.389	23.6	8.	₩.	30.30	20.5	0.93	X. W.	29.319	27.5	3.56	×. ₹	28.28 28.28	23.1	2.46	χ. ₩.
Average Month	29.267	49.8	3.62		29.290	44.6	2.73		83.489	50.3	2.81		29.199	46.3	3.02	

Table XXXII. is made from data obtained from the "Annual Report of the Chief Signal Officer to the Secretary of War," for the years 1878 and 1879.

KHIBIT 13.—All Causes.—Deaths Returned as having occurred in Michigan from All Causes during the Years '869-1878, Por Cent. of Deaths to the Estimated Population' in each Year, and some coincident Meleorological condi-**~ns, at the** Agricultural College, near Lansing, Michigan, and near the center of the thickly-settled part of the Slate.

1800-1878	<b>1855-1</b> 878 IN ORDER BY		<b>ВЕАТИВ</b> <b>ВЕРОВТИР</b>	718 17 <b>19</b> 0.	TEMPER MEA OBSERV 2 P.	TEMPERATURE,—FAH MEAN OF 3 DAILY OBSERTATIONS,—7 A. 2 P. K., AND 9 P. M.	TEMPERATURE,—FAHR.; MEAN OF 3 DAILY OBSERVATIONS,—7 A. M., 2 P. M., AND 9 P. M.	НТИІВІТУ ОР АТМОЯРИКИК, КТС.— МОМТИLY АVERAG'S.	RE, ETC.—AVERAG'S.		Ozone, — Rela. Tive. Maximum == 10.	Fahren	псрев.	PRESSI PHERN N (REDU	PRESSURE OF ATMOSPHERE, INCHES OF MERCURY.  (REDUCED TO 32° F.)	KS OF
TOT. O		*.sins		or sti	AVERAGE RANGE.	140E		7, or ration.	4.71A 10	٠ж٠	ж.ч	,5g 01 p	I al ,woa	RANGE OF BAROMETER	E OF	
GREA GREA	ER INHABITANTS, GREATEST DEATH. ATR FIRST.	Estimated Inhabit	Хитьег.	Per Cent. of Deabli	Dally.	From Day to Day, 2 P. м. to 2 P. м.	Average.	Helative Humidity	Weight, in Grains, por in Cubic Foot	а 2 о1.к.л. 7—, <b>үз</b> О	7 от . к .ч 6-, га в . у.	Barometer Reduce helt,—Average.	Rein and Meited St	.laugaA	Average Daily.	Average Pressure.
		1,358,843	14,258	1.05	14.37	17.67	44.54	08	3.36	4.02	4.63	28.874	81.745	1.307	141.	28.87
		1,297,973	18,371	<b>1.</b> 83	15.31	18.14	45.54	83	3.70	2 82	4.24	28.887	36.853	1.902	<u> </u>	28.887
		1,134,252	10,766	<b>F</b> .	17.11	19.03	e 49.10	81	3.90		********	28.876	37.757	1.366		28.876
.74		1,422,578	12,500	8.	15,65	18.27	. 47.03	78	8,36	<b>4</b> .10	3,99	28.935	22.830	2.069	.130	28.036
Ago		1,325,0%5	12,002	78.	15,17	17.84	46.54	98	3,50	3.76	117	28.948	80.808	2.069	.132	28.948
f 1869		1,037,608	9,145	98.	15.00		e 46.27	81	3.49		-	28.887	83,168	1.660		28.887
1876		1,559,145	12,578	.8	13,60	16.33	e 46.17	81	3,40	3.68	7	29.010	30.553	1.960	.138	29.010
1875		1,450,297	11,990	8.	15.34	17.65	• 43.09	62	3.11	4.63	5.04	29.003	28.437	1.628	308.	29.003
1877		1,632,269	12,919	8	15.12	17.53	47.42	80	3.45	3.66	3,33	29.066	87.420	1.589	8	29.066
1871		1,239,825	9,728	.78	16.52	19.91	47.93	80	3,56	-		23.684	27.230	6.079		23.83
( 1878		1,708,822	12,788	15	13,63	16.05	48.20	19	3,69	<b>39</b> 50 50	3,42	29,063	81.990	1,276	.115	29.053

T 14.—All Causes, Deaths Returned as having occurred in Michigan from All Causes, by Months, during the are 1878, and some coincident Meteorological conditions at the Agricultural College, near Lansing, Michigan, and near the center of the thickly-settled part of the State.

KS OF F.	essure.	AveragePr	29.053	g 29,010	20,147	29, 157	29,080	29.081	29,053	28,875	E 29.035	29.027	29,013	29,030	20.026	g 29.009
PRESSURE OF ATMOS PHERE,—INCRES OF MERCURY, (Reduced to 32° F.)	RANGE OF BAROMETER.	Average Dally.	.115	.065	.142	.103	.132	.134	.115	080	590	.181	.100	.100	.123	.146
PRESS PHER (Redi	RANGE BAROME	Monthly, and Year.	1,976	.434	1.062	.903	780.	.904	.802	926	119.	.949	.741	.677	1.033	602.
al ,wond	delted nebes.	Rain and I	31.99	1.85	2.27	e 3,43	1.99	9.16	2.67	3,76	2.96	8, 12	3.44	3,15	9.74	e 1,12
-REEA.	o1.10	A 6-jugiv	3.42	1.52	1 4.74	1,60	1.97	3.14	8.42	4.53	1 1.74	4.94	4.10	r 3.00	. 5.33	4.48
OZONE,-RELA- TIVE. MAXIMUM=10.	2 01 .1	Day,—7 A. M	3,50	2.35	f 4.55	2.23	2.71	3.17	8.50	4.87	1 2.10	4.68	8.97	r 3,17	2.00	8.74
HUMIDITY ATMOSPHERS, D.,-MONTHLY AVERAGES.	-no u	Weight,in G of Vapor i bic Foot of	8,69	6.06	1.62	5.18	3,38	2.44	3,60	3.51	6.83	9.80	3.68	5.05	16,1	1.82
НОМИРИТЕ ОТ АТМОРИЕВ ВТО,-МОМТИLY АVERAGES.	Cent.	Relative Hu ty, or Per of Saturati	20	7.4	85	73	2.0	87	19	69	59	83	19	73	88	68
L; MEAN TIONS,— P. M.		Average.	48.29	70.15	d 21.29	63,15	48.33	4 88,99	48.29	d 50,55	d 73.04	10,00	d 54.57	4 61.08	28.07	29.11
OBSERVA.	RANGE.	From Day,— 10 Day,— 2 P. M. to 2 P. M.	16.05	19,74	€ 9.55	20,30	18.58	c 12.60	16.05	15.77	a 18.10	c 16.77	15.45	c 18,73	15.93	11.03
OF 3 DALLY OBSERVATIONS,— 7 A. M., 2 P. M., AND 9 P. M.	Average Range	Dolly.	13.63	17.71	7.90	17.43	16,03	11.57	13.63	14.07	14,82	19.06	13.08	15,80	14.59	9.60
	AL.	Такпомп.	100.00	5.77	19.93	13.46	11.54	3.85	8.33	15.38	1.92	5.77	3.85	3.85	5,77	19'6
eported from All Causes, 1978.	PER CENT. OF TOTAL.	Females.	100.00	10,58	10.41	10.63	19.61	9,26	8.33	7.56	8.04	7.68	7.20	7.03	6.24	5.88
II CA	CENT.	Males.	100.00	10,97	10.98	10.44	71,6	9.33	8.83	8.49	7.98	6.96	7.31	6.66	6.15	6.57
кои.	PER	Total.	100.00	10.70	10.74	10.54	9.34	9,28	8.33	8,07	7.98	7.30	7.24	6.83	6,19	5.73
ED F		Unknown	20	1 00	10	-	9	04	4	90	1	00	01	01	20	2
EPORT	BER.	Females.	6,070	642	632	645	577	503	900	439	488	466	437	427	879	856
DEATHS RE	NEWB	Males.	6,620	726	727	169	607	617	552	562	528	191	481	441	407	369
DEAT		Total.	12,742	1,871	1,369	1,343	1,190	1,181	1,062	1,029	1,017	930	933	870	789	730
MONTHS IN ORDER BY	NUMBER OF REPORTED	ALL CAUSES, GREATEST FIRST.	YEAR, 1878b	f Angust.	_	Sept.	_	_	Average	G [April	July	*91	Any May	n	10	

was greater than the average in months when more than the average number of deathe occurred, and exceptions of the proposition limit the respectable than the average in months when more than the average number of deaths occurred, and vice versa. • Exceptions to the proposition limit the stain. All was less than the average in months when more than the average number of deaths occurred, and vice versa. • Exceptions to the proposition that the Ozone was less than the average in months when more than the average number of deaths occurred, and vice versa. • Exceptions to the proposition that the Amospheric Pressure, as indicated by the Barometer, was greater than the average in months when more than the average number of deaths occurred, and vice versa. c Exceptions to the proposition that the Range of Temperature b Excluding Deaths in unknown month. A See foot-note to Exhibit K, page 258.

EXHIBIT K .- CROUP .- Deaths Returned as having Occurred in Michigan from Croup, by Months, during the Year 1878, and some coincident Meteorological conditions.

	Months	CR	ATHS BOM OUP, 878.	Obser	of 3	Daily		E, ETC	of An		Ozon Rela Maxis	TIVE.		Barometer
	ORDER BY			AVEI			c Cent.	- in Cu-	Vapor in 24	Vapor s in 24 haled.				sphere.
DE	CROUP, GREATEST FIRST.	Number. +	Per Cent. of Total.	Dally.	From Day to Day, -2 P. M. to 2 P. M.	Average.	Relative Humidity, or Per of Saturation.	Weight, in Grains, of Vapor in Cu-	Weight, in Troy Ounces, of Inhaled by one person hours.b	Weight, in Troy Ounces, of Vapor exhaled from Air passages in 24 hours, in excess of vapor inhaled.	Day,-7 A. M. to 2 P. M.	Night, -9 P. M. to 7 A. M.	Rain-fail, in Inches,	Average Pressure of Atmosphere, Barometer Reduced to 32° Fabrenheit.
Year	r, 1878	4236	100.00	13.63	16.05	48.29	79	3.69	2,31	9.37	3.50	3.42	31.99	29.053
	December	45	19.07	7.90	9,55	21.29	95	1,62	1.01	10.67	4.55	4.74	2.27	29,147
No. of Deaths.	November	43	18,22	11.57	12.60	36.29	87	2.44	1.53	10,15	3,17	3.14	2,16	29,081
De	October	27	11.44	16.03	18,58	e 48.33	76	3,38	2.11	9.57	2,71	1.97	1.99	29,080
0.01	January	23	9.75	9,00	11.03	29,11	89	1.82	1.14	10,54	3.74	4.48	1.12	29,099
NOW	September	21	8,90	17.43	20,30	€ 63.15	78	5,18	f 3.24	8.44	2.23	1.60	3.43	59,157
Ave	rage	20	8.33	13.63	16.05	48.20	79	3,69	2.31	9,37	3,50	3,42	2.67	29,053
p. 1	April	15	6,36	14.07	15.77	50.55	69	3.51	f 2.19	9.49	4.37	4.53	3.76	28,875
Average ths.	February	13	5,51	14.59	15.93	e 28.07	89	1.91	f 1,19	10,49	5.00	5.33	2.74	29,026
aths	March	11	4.66	12.06	16.77	e 40,90	83	2.80	f 1.75	9,98	4.68	4.94	3.12	29.027
De	May	11	4.66	13.08	15.45	54.57	61	3,68	f 2,30	9,38	3.97	4.10	3,44	29,013
No. of Deaths.	July	11	4.66	14.32	18,10	73.04	68	6.88	4.27	7.41	2.10	1.74	2.96	29,085
N N	Jnne	8	3,39	15,80	18.73	64.08	73	5.05	3.16	8.52	3.17	3.00	3.15	29.030
7	August	8	3,39	17.71	19.74	70.15	74	6.06	3.79	7.89	2.32	1.52	1.85	29,010

<sup>·</sup> Computed in the office of the State Board of Health from readings of the dry-bulb and wet-bulb

<sup>\*</sup> Computed in the office of the State Board of Heaten Hold Lands of thermometers.

b Calculated for 18 respirations per minute, of 20 cubic inches of air each.

c Assuming the air exhaled to be saturated with vapor at the temperature of 98° F., each cubic foot containing 18.69 grains, 18 respirations per minute, of 20 cubic inches of air each, making 11.68 Troy ounces of vapor exhaled daily. No correction made for expansion of air after being inhaled.

d Includes 37 deaths from Membranous Croup.

Exceptions to the proposition that more than an average number of deaths from croup occurred in months when the temperature was less than the average, and vice versa.

Exceptions to the proposition that more than an average number of deaths from croup occurred in months in which there was less than the average quantity of vapor inhaled, and vice versa. It should be borne in mind that probably a less proportion of the deaths were returned for months in early part of the year.

Croup.—This disease is reported to have caused 236 deaths in this State in 1878,-1.85 per cent. of the deaths from all causes. This is the largest number ever returned as having died from croup in this State. The increase in the number returned for 1878 over the number returned for any previous year is very marked. The annual average number for the nine years preceding uber returned for 1878. 1878 is 152, which is e

In 1878, the largest number of deaths from croup occurred in December, and 48.73 per cent. occurred during the last three months of the year. One hundred and ninety-five of the 236 decedents from this disease (or 82.63 per cent.) were under 5 years of age.

The range of temperature during the year 1878, at the Michigan Agricultural College, was 105 degrees,—from 98° in July to -7° in February.

Croup and Diphtheria. - The number of deaths from croup and diphtheria combined may be studied in Exhibit L in connection with some coincident meteorological conditions.

EXHIBIT L.—CROUP AND DIPHTHERIA.—Deaths in Michigan from Croup and Diphtheria, by Months, during the year 1878, and some coincident Meteorological conditions.

Mo	ONTHS IN	DIPHT	S FROM P AND HERIA, 78,	Mean	of Thre	-Fahr.; ee Daily , -7 A. d 9 P. M.	-	PHERI	r of A e, Etc. y Avei	-	OZON RELA MAXI	TIVE.	raphere.
BER C	OF DEATHS			AVEI	GE.		or Per	of Vapor Air.a	Junces, by one	Ounces, ad from M hours, inhaled.a	. W.:	A. M.	of Atm
AND D	M CROUP IPHTHERIA, EATEST FIRST.	Number.	Per Cent. of Total.	Dally.	From Day to Day,-	Average,	Relative Humidity, or Cent. of Saturation.	Weight, in Grains, of Vapor in Cubic Foot of Air.	Weight, in Troy Ounces, of Vapor Inhaled by one Person in 24 hours. a	Weight, in Troy Ounces, of Vapor Exhaled from Air passages in 24 hours, in excess of vapor inhaled.	Day,-7 A. M. to 2 P.	Night,-9 P. M. to 7	Average Pressure of Atmosphere. Bei meter Reduced to 32° Fabr.
Year,	1878	6 1,121	100,00	13,63	16.05	48.29	79	3.69	2.81	9,37	3,50	3,42	29.053
o.	Nov	177	15.79	11.57	12,60	36.29	87	2.44	1,53	10.15	3.17	3.14	29,081
More than the Average No. of Deaths.	Dec	172	15.34	7.90	9,55	21,29	95	1.62	1.01	10.67	4.55	4.74	29.147
re th	Oct	158	14.09	16,03	18.58	o 48.33	76	3,38	2.11	9.57	2.71	1.97	29,080
A A	Sept	134	11.95	17.43	20.30	c 63.15	78	5.18	4 3.24	8,44	2,23	1.60	29,157
Avera	ge	93	8.33	13.63	16.05	48.29	79	3,69	2.31	9,37	3,50	3.42	29,053
	Jan	79	7.05	9.00	11.03	0 29.11	89	1,82	4 1.14	10.54	3.74	4.48	29,099
o No.	Feb	76	6.78	14,59	15,93	c 28.07	89	1,91	d 1.19	10.49	5.00	5,33	29,026
Tag.	Aug	66	5.89	17.71	19.74	70.15	74	6.06	3.79	7.89	2.32	1.52	29,010
Ave	March	62	5,53	12.06	16.77	€ 40.90	83	2.80	4 1.75	9.93	4.68	4,94	29,027
n the Ave	April	55	4.91	14.07	15.77	50.55	69	8.51	4 2.19	9.49	4.37	4.53	28,875
Less than the Average of Deaths.	May	53	4.73	13,08	15.45	54.57	61	3,68	d 2,30	9,38	3.97	4.10	29,013
688	July	47	4.19	14.32	18.10	73.04	68	6,83	4,27	7.41	2,10	1.74	29,085
7	June	42	3.75	15.80	18,73	64.08	73	5.05	3.16	8,52	3,17	3.00	29,03C

<sup>\*</sup> See foot-note to Exhibit K, page 258.

b Excluding 2 deaths from Diphtheria in unknown month.

c Exceptions to the proposition that more than an average number of deaths from Croup and Diphtheria occurred in months in which the mean temperature was less than the average, and vice

d Exceptions to the proposition that more than an average number of deaths from Croup and Exceptions to the proposition that more than an average number of deaths from Croup and Exceptions to the proposition that more than an average number of deaths from Croup and Exceptions to the proposition that more than an average number of deaths from Croup and Exceptions to the proposition that more than an average number of deaths from Croup and Exceptions to the proposition that more than an average number of deaths from Croup and Exceptions to the proposition that more than an average number of deaths from Croup and Exceptions to the proposition that more than an average number of deaths from Croup and Exceptions to the proposition that more than an average number of deaths from Croup and Exceptions to the proposition that more than a second to the proposition of the proposition o

EXHIBIT M.—DIPHTHERIA.—Deaths from Diphtheria Returned as having occurred in Michigan during the Year 1878, and some coincident Meteorological conditions.

]	Months	DEA FR DIPHT	OM HERIA.	MEAN	ATURE,— OF THREE FATIONS,- AND 9 P.	DAILY	A- Mc	THOSPI	IDITY IERE, E	TC.,-	Ozon RELA MAXI	TIVE.	here. Bar- renbeit.
	ORDER BY			AVER			or Per	Vapor	ces, of	from Air hours, in inhaled.	ж.	ж.	Atmosp! 82° Feb
Dī	ATHS FROM PHTHERIA,		Total.		2 P. K.		Humidity, or J	rains, of	froy Oun ded by or ours.*	in Troy Ounces, of Exhaled from Air is in 24 hours, in of vapor inhaled.*	to 2 P.	M. to 7 A.	duced to
G	REATEST FIRST.	Number.	Per Cent. of Total.	Dally.	From Day to 2 P. M. to 2 1	Average,	Relative Hu Cent. of	Weight, in Grains, of Vapor in Cubic Foot of Air.	Weight, in Troy Ounces, of Vapor Inhaled by one per- son in 24 hours.a	Weight, in 7 Vapor Exh passages in excess of vi	Day,-7 A. M.	Night, -9 P. M. to	Average Pressure of Atmosphere. Barometer Reduced to 32° Fahrenheit.
Year	, 1879	P 589	100.00	13.63	16.05	49,20	79	3.69	2.31	9,37	3,50	3.42	29.053
	November	134	15.14	11.57	12.60	36.29	87	2.44	1.53	10,15	3,17	3.14	<b>29</b> .061
More than Av. No. of Deaths.	October	131	14.80	16.03	18.58	48.33	76	3.38	2.11	9,57	2,71	1.97	29,080
of D	December.	127	14.35	7.90	9.53	21.20	95	1,62	1.01	10.67	4.55	4.74	29.147
Mor No.	  September_	113	12.77	17.48	20.30	63.15	78	5,18	d 3 24	8.44	2,23	1.60	29, 157
Ave	rage	74	8.33	18.63	16.05	48,29	79	3,69	2,31	9,37	3.50	3,42	29,053
<b>t</b>	February	63	7, 12	14.59	15.93	28.07	89	1,91	d 1.19	10,49	5.00	5.33	29,026
ā	Angust	58	6,55	17.71	19.74	70,15	74	6.06	8.79	7,89	2.32	1.52	29,010
z 2	January	56	6.33	9.00	11.03	c 29,11	89	1.82	d 1 14	10.54	3.74	4.48	29.06
Average Number beaths.	March	51	5.76	12,06	16.77	40.90	83	2,80	4 1.75	9,93	4.69	4.94	29.027
	Мау	42	4.75	13,08	15.45	54,57	61	3.68	4 2.30	9.38	3.97	4.10	29.013
Less than the	April	40	4.52	14.07	15.77	50.55	69	3.51	4 2,19	9.49	4.37	4.53	28.875
ā	July	36	4.07	14.82	18,10	73.04	68	6,83	4.27	7.41	2,10	1.74	29.065
Ž	   June	34	3.84	15,80	19.73	64.03	73	5,05	3.16	8.59	3.17	3,00	29,030

DIPHTHERIA.—The mortality from this disease in 1878 was very great, 887 deaths having been returned for 1878. This is 6.95 per cent. of the deaths from all causes, and the largest number ever returned to the State Depart-The order of the years 1869-1878, those first in order which show the least number of deaths from diphtheria, is as follows: 1869, 89; 1870, 121; 1871, 121; 1872, 192; 1875, 207; 1874, 213; 1873, 217; 1876, 311; 1877, 593; 1878, 887. It therefore appears that the number in 1878 is greatly in excess of the number returned for any previous year. The annual average number returned for the nine years 1869-1877 was 229, which is only 25.82 per cent. of the "rned for 1878. In the remarks on croup on a at increase in the number of deaths previous .

<sup>See foot-notes to Exhibit K, page 288.
Excluding 2 deaths in unknown month.
Exceptions to the proposition that more than an average number of deaths occurred in months in which the temperature was less than the average, and vice versa.
Exceptions to the proposition that more than an average number of deaths occurred in months in which less than an average quantity of vapor was inhaled, and vice versa.</sup> 

from croup in 1878 over the annual average for the nine years 1869-1877 was noticed.

In 1878 the largest number occurred in November, and during the last four months of the year 56.94 per cent. of all the deaths from this disease occurred, as shown by the tables and exhibits; 41.26 per cent. of all decedents from diphtheria in 1878 in this State were under 5 years of age, and 76.10 per cent. were under 10 years of age.

Exhibit M contains data concerning deaths from diphtheria, and coincident

meteorological conditions.

Gerebro-spinal Meningitis.—There were only eight deaths returned as having been caused by this disease in this State in 1878,—the smallest number returned since 1871. Four of these eight deaths occurred in March. Exhibit V shows, by months, by sex, the number of deaths from each of several diseases in 1878, which diseases are grouped together in Exhibit 15, and may there be studied in their relation to certain coincident meteorological conditions by months.

EXHIBIT V.—CEREBRO-SPINAL MENINGITIS, Etc.—The Total Number of Deaths Returned as having occurred from Cerebro-spinal Meningitis, Spotted Fever, Spinal Meningitis, Meningitis, and Spinal Fever, in Michigan during the Year 1878, by Months, and by Sex.

CAUSES		1878.	-				М	ONTH	s, 187	8.	34			
DEATH.	SEX.	YEAR,	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec
	Total	109	6	6	14	9	12	7	6	13	14	7	8	117
Potal	Males	52	4	3	3	3	6	3	3	5	8	5	6	4 3
	Fema's	57	2	3	11	6	8	4	3	8	6	2	2	1 5
Cerebro-	Total	8	1	P	4		1						1	
spinal -	Males.	5	1		2		1						1	
deningitis	Fema's	8		1	2									
potted	Total													
Fever	Males.													
	Fema's													
7	Total	28	2	2	4	1	3	2	3	2	2	3	3	
Spinal	Males.	15	2	2		1	2		2		1	2	2	1
	Fema's	13			4		1	2	1	2	1	1	3	
1	Total	10			1	2		1	1	2	1		1	
deningitis	Males.	7			1	1		1	1		1		1	
	Fema's	3				1				2				
pinal Fe-	Total	63	3	3	5	6	8	4	2	9	11	4	3	12
FCC	Males_	25	1	1		1	8	2		5	6	3	2	116
	Femn's	38	2	2	5	5	5	2	2	4	5	1	1	1

EXHIBIT 15 .- CEREBRO-SPINAL MENINGITIS, ETC .- Deaths Returned as having occurred in Michigan from Cerebro-spinal Meningitis, Spotted Fever, Spinal Meningitis, Meningitis, and Spinal Fever, by Months, during the Year 1878, and some coincident Meteorological conditions.

P DEATHS, FROM CER.	SPINAL SPINAL NINGITIS, GREAT.	Core Spinal ingiti	s from bro- Men- s, etc., 78.	Mean o	of Thre	-Fabr.; e Daily -7 A. M., P. M.	Atmos Etc.,	lity of sphere, Month- erages.	Rela	ne,— ative. mum 10.	in Inches.	pher	e. In Mercu	
DER 1	EVER, MEN FEVER,		1.	Average	Range.		tura-	Foot	P. M.	7 A.M.	Snow,		ge of neter.	1
MONTHS IN OR	SPOTTED FI MENINGITIS, AND SPINAL F EST FIRST.	Number.	Per Cent. of Total.	Dally.	Prom Day to Day,-2P. M. to 2P. M.	Average.	Relative Humidity, or Per Cent. of Satura- tion.	Weight, in Grains, of Vapor in Cubic Foot of Afr. a	Day,-7 A. M. to 2	Night, -9 r. M. to	Rain and Melted Snow,	Monthly, and Year.	Average, Dally.	Average Pressure.
Yea	r, 1878	109	100.00	13.63	16.05	48,29	79	3.69	3,50	3.42	31.99	1.270	.115	29,051
此曲	March.	14	12,84	b 12,06	16.77	40.90	* 83	12.80	g 4,68	E 4.94	3,12	.942	.181	29,027
More than Ar.	Sept.	14	12.84	17.48	20.30	4 68.15	78	5.18	2.23	1.60	3.43	.903	.103	h 29.157
of D	Aug.	13	11.93	17,71	19,74	4 70.15	74	6,06	2,32	1.52	1,85	.434	.065	29,010
No.	May	12	11,01	ь 13.08	c 15.45	4 54.57	61	13.68	≈ 3.97	£ 4.10	3.44	.741	.100	29.013
Ave	rago	9.1	8,33	13.63	16.03	48,29	79	3.69	3.50	3.42	2.67	.802	.115	29.053
	April	9	8.96	h 14.07	15,77	50,55	€ 69	3.51	4.37	4.53	3.76	.929	.080	h 28,570
Ma	Nov	8	7.34	11.57	12.60	4 36,29	87	2.44	# 3.17	g 3.14	2,16	.904	.134	29.081
14.7	June	7	6.42	b. 15,80	e 18.78	64.08	= 78	15.05	E 3.17	g 3.00	3.15	.677	_100	h 29,030
of Deaths.	Oot	7	6.42	b 16,03	o 18.58	48,33	+ 78	3,38	£ 2.71	€ 1.97	1,99	.684	. 132	29,080
T De	Dec	7	6.42	7.90	0,55	4 21,29	95	1.62	4,55	4.74	2.27	1.062	.142	29.147
0 0	Jan	6	5 80	9.00	11.03	4 29,11	89	1.82	3.74	4.48	1.12	.709	-146	29.000
74	Feb	6	5,30	b 14.50	15,93	4 28.07	89	1.91	5.00	5,33	2.74	1.033	.123	h 29,026
	July	6	5.50	1 14,32	+ 18,10	73.01	+ 68	16,53	s 2.10	E 1.74	2.96	.611	,068	29,085

Convestive Chills and Icertain coincident meter in Michigan in 1878 shows the largest nu were no deaths retar

be relation of restive chills September tary there

a See foot-note to Exhibit K, page 228.

A Exceptions to the proposition that the Daily Range of Temperature was greater than the average in months when more than the average number of deaths occurred, and vice person.

Exceptions to the proposition that the Range of Temperature "from day to day" was greater than the average in months when more than the average number of deaths occurred, and vice verson.

Exceptions to the proposition that the Relative Humidity was less than the average in months when more than the average number of deaths occurred, and vice verson.

Exceptions to the proposition that the Relative Humidity was less than the average in months when more than the average number of deaths occurred, and vice verson.

Exceptions to the proposition that the Aboolule Humidity was greater than the average in months when more than the average number of deaths occurred, and vice verson.

Exceptions to the proposition that the Aboolule Humidity was greater than the average in months when more than the average number of deaths occurred, and vice verson.

Exceptions to the proposition that the Aboolule Humidity was greater than the average in months when more than the average number of deaths occurred, and vice verson.

EXHIBIT U.—Congestive Chills.—Deaths Returned as having occurred in Michigan from Congestive Chills by Months, during the Year 1878, and some coincident Meteorological conditions.

-	NTHS	from ge	eaths n Con- stive illis, 878.	serva	of 3 de tions, 7	A. M.,	Hum	ELL	Monthlerages,	sphere, y	BUILDIA	Max- i=10.		phere.	Inche	Atmos- es of Mer
BY	NUM- ER OF				rage age.		cent. of	r fn Cu-	Vapor in 24	Vapor 18 in 24 haled.s			nches.		ge of neter,	
CO T	ROM NGES- IVE ILLS, LATEST IRST.	Number.	Per Cent. of Total.	Dally.	From Day to Day, 2 P. M. to 2 P. M.	Average.	Relative Humidity, or Per Cent. Saturation.	Weight, in Grains, of Vapor bie Foot of Air.a	Weight, in Troy Ounces, of Inhaled by one person hours.s	Weight, in Troy Ounces, of Vapor exhaled from Air passages in 24 hours, in excess of vapor inhaled a	Day,-7 л. м. to 2 г. м.	Night,-9 P. M. to 7 A. M.	Rain and Melted Snow, in Inches.	Monthly, and Year.	Average, Dally.	Average Pressure.
Year	r. 1878.	64	100.00	13.63	16.05	48.29	79	3.69	2.31	9,37	3.50	3,42	31.99	1.276	.115	29,05
	(Sept.	14	21,88	17.43	20,30	63.15	78	5.18	3,21	8.44	2,23	1 60	3.43	.903	1.103	29.15
No. of Deaths.	Dec	8	12.50	b 7.90	e 9.55	421.29	95	e 1.62	1.01	10.67	f 4.55	14.74	2,27	1,062	-142	29.14
C De	July	7	10,94	14.32	18.10	73.04	68	6.83	4.27	7.41	2.10	1.74	2,96	h .611	1.068	29.08
0.0	Aug	7	10.94	17.71	19.74	70.15	74	6.06	3.79	7,89	2.32	1.52	1,85	ь .434	1.065	g 29.01
ZA	June.	-6.	9.38	15.80	18.73	64.08	73	5.05	3, 16	8.52	3.17	3.00	3,15	n ,677	1.100	g 29,03
Aver	rage	5.3	8,33	13.63	16.05	48.29	79	3.69	2.31	9.37	3.50	3,42	2.67	.802	,115	29,05
	Oct	5	7,81	ь 16.03	c 18.58	d 48.33	76	3,38	2.11	9.57	12.71	₹ 1.97	1.99	.684	1.132	g 29,080
. i.	Nov	5	7.91	11,57	12.60	36,29	87	2.44	1.53	10.15	13.17	13.14	2.16	h .904	1.134	g 29,08
aths	Mar, .	4	6,25	12.06	c 16,77	40.90	83	2,80	1.73	9,93	4.68	4.94	3.12	h .942	1,181	29,02
No. of Deaths.	Apr	3	4.69	b 14.07	15,77	d 50.55	69	3.51	2,19	9,49	4.37	4.53	3.76	ь ,929	.080	28.870
10.0	May .	3	4.69	13,08	15,45	4 54.57	61	3,68	2.30	9,38	3,97	4.10	3.44	.741	_100	29.013
Le	Feb	2	3,13	ь 14.59	15,93	28.07	89	1.91	1.19	10,49	5.00	5,83	2.74	h1.033	1,123	29.020
	Jan			9.00	11.03	29.11	89	1.82	1.14	10.54	3.74	4.48	1.12	.709	1.146	# 29.09f

b Exceptions to the proposition that the Range of Barometer was greater than the average in months when more than the average number of deaths occurred, and vice versa.

1 Exceptions to the proposition that the Average Daily Range of Barometer was greater than the average in months when more than the average number of deaths occurred, and vice versa.

<sup>\*</sup> See foot-notes to Exhibit K, page 258.

b Exceptions to the proposition that the Daily Range of Temperature was greater than the average in months when more than the average number of deaths occurred, and vice versa.

c Exceptions to the proposition that the Range of Temperature "from day to day" was greater than the average in months when more than the average number of deaths occurred, and vice versa, dexceptions to the proposition that the temperature was higher than the average in months when more than the average number of deaths occurred, and vice versa.

c Exception to the proposition that the Absolute Humidity was greater than the average in months when more than the average number of deaths occurred, and vice versa.

f Exceptions to the proposition that the Ozone was less than the average in months when more than the average number of deaths occurred, and vice versa.

g Exceptions to the proposition that the Atmospheric Pressure indicated by the Barometer was greater than the average in months when more than the average in months when more than the average in months when more than the average in months when more than the average number of deaths occurred, and vice versa.

vice versa.

EXHIBIT 22.—CEPHALITIS.—Deaths Returned as having occurred in Michigan. from Cephalitis, by Months, during the Year 1878, and some coincident Meleorological conditions.

	Months	Cepl	aths om halitis, 578.	Mean	of Thr vations	ce I	Dally	Hum Etc.	dity o	of Atm	osphere, verages.	Rela Maxi	ne,— tive. mum 10.		phere.
Nt	ORDER BY			Ave	rage ige.			or Per	of Va-	nees, of ne per-	Ounces, of from Air hours, in	.ж.	у. ж.		d Atmos
GE G	ATHS FROM PHALITIS, REATEST FIRST.	Number.	Per Cent of Total.	Dally.	From Day to Day, 2 P. M. to 2 P. M.		Average.	Relative Humfdity, o Cent. of Saturation.	Weight, in Grains, of Va- por in Cubic Foot of Alr.s.	Velght, in Troy Ounces, of Vapor inhaled by one per- son in 24 hours.a	Weight, in Troy Ounces, of Vapor exhaled from Air passages in 24 hours, in excess of vapor inhaled.	Day,-7 A. M. to 2 P.	Night,-9 P. M. to 7.	Rain-fall in Inches.	Average Pressure of Atmosphere. (Barometer Reduced to 31º Fahr.)
Year	r, 1878	225	100.00	13.63	16,03		48.29	79	3,69	2.31	9,37	3.50	3.42	31.99	29,053
	August	28	12.44	17.71	19.74		70.15	74	6.06	3,79	7.89	2.32	1,52	1.85	29,010
980	September	27	12.00	17.43	20.30		63, 15	78	5,18	3.24	8.41	2.23	1.60	3.41	29,157
More than the Average Number of Deaths.	February.	22	9.78	14.59	c 15,93	4	28 07	e 89	1 1.91	1.19	10,49	g 5,00	g 5.33	2.74	29,026
f De	Jane	22	9.78	15,80	18.73		64.08	73	5.05	3,16	8.52	3,17	3,00	3.15	20,630
Number of Deaths.	November.	20	8.80	6 11,57	c 12,60	d	36, 29	e 87	F 2.44	1,53	10,15	3.17	3.14	2.16	29,081
unb	April	19	8.44	14.07	c 15,77		50.55	69	13,51	2.19	9.49	g 4.37	g 4.53	3.76	28,875
Mor	July	19	8.41	14.32	18.10		73,04	69	6,83	4,27	7.41	2.10	1.74	2,96	29,085
	December.	19	8.44	ь 7.90	€ 9.55	ď	21.29	€ 95	f 1.62	1.01	10,67	g 4.55	g 4.74	2.27	29,147
Ave	rage	18.8	8,36	13.63	16,03		48.29	7:)	3.69	2.31	9.37	3.50	3,42	2.67	29,053
Av.	October	18	8.00	ь 16.03	e 18,58	d	48,33	e 76	3.38	2.11	9.57	g 2.71	g 1.97	1.99	29.080
Less than Av.	March	15	6.67	12.06	c 16,77	1	40,90	83	2.80	1.75	9,93	4.68	4,91	3,12	29,027
of	May	10	4.44	13.08	15,45	d	54.57	e 61	3 68	2.30	9.38	3.97	4.10	3,44	29,013
No	January	6	2.67	9.00	11.03		29.11	89	1.82	1.14	10.54	2.74	4.48	1.12	29,099

Cephalitis.—This disease is reported to have caused 225 deaths in Michigan in 1878,—the smallest number returned for any of the years 1869-1878, Nearly one-quarter of all the deaths from cephaexcept for the year 1871. litis (inflammation of the brain) in 1878 occurred in August and September,the months in which the mortality from diarrhea and dysentery was greatest,and 61.44 per cent. of all the decedents from this disease were under five years This disease may be further studied in connection with certain meteorological conditions in Exhibit 22.

<sup>\*</sup> See foot-notes to Exhibit K, page 25%.

b Exceptions to the proposition that the Daily Range of Temperature was greater than the average in months when more than the average number of deaths occurred, and vice versa.

c Exceptions to the proposition that the Range of Temperature "from day to day" was greater than the average in months when more than the average number of deaths occurred, and vice versa.

d Exceptions to the proposition that the Temperature was greater than the average in months when more than the average number of deaths occurred, and vice versa.

e Exceptions to the proposition that the Relative Humidity was less than the average in months when more than the average number of deaths occurred, and vice versa.

f Exceptions to the proposition that the Absolute Humidity was greater than the average is months when more than the average number of deaths occurred, and vice versa.

g Exceptions to the proposition that the Ozone was less than the average in months when more than the average number of deaths occurred, and vice versa.

EXHIBIT W.—Intermittent Fever.—Deaths returned as having occurred in Michigan from Intermittent Fever, by Months, during the Year 1878, and some coincident Meleorological conditions.

	NTHS	from mir Fe	aths Inter- ttent ever, 878.	Mean	rature, of 3 da tions, 7 ., and 9	A. M.		re, Etc	of Atr.,—Mon	-	Ozone, atl Maxi =	ve. mum		pher	ure of . e. Inc Mercur, seed to	hes of
BY	NUM-			Ave	rage oge.		r Cent.	r in Cu-	Vapor In 24	Vapor is in 24			nches.	Rang		
IN MIT FE	ATHS ROM TER- TENT VER, ATEST RST.	Number.	Per Cent. of Total.	Daily.	From Day to Day,-2 P. M. to 2 P. M.	Average.	Relative Hunidity, or Per of Saturation.	Weight, in Grains, of Vapor in ble Foot of Air.a	Weight, in Troy Ounces, of Inhaled by one person hours.a	Weight, in Troy Ounces, of Vapor exhaled from Air passages in 24 hours in excess of vapor inhaled.a	Day,-7 A. M. to 2 P. M.	Night, -9 P. M, to 7 A. M.	Rain and Metted Snow, in Inches.	Monthly, and Year.	Average, Dally.	Average Pressure.
Year	r, 1878.	b 46	100.00	13,63	16,05	48.29	79	3.69	2,31	9,37	3.50	3,42	31,99	1.276	.115	29,053
	Aug.	10	21.74	17.71	19,74	70, 15	74	6,00	3.79	7.89	2.32	1.52	1.85	1 .431	1 .065	h 29,010
the.	Dec	6	13,01	€ 7.90	d 9,55	e 21.29	95	f 1,62	1.01	10,67	g 4.55	E 4.74	2,27	1.062	.142	29.147
More than the Av.	Sept	5	10.87	17,43	20,30	63.15	78	5.18	3.24	8,44	2,23	1.60	3.43	.903	1 .103	29, 157
of the	Oct	5	10.87	16.03	18.58	48.33	76	13,38	2.11	9.57	2,71	1.97	1.99	i .684	.132	29,080
lore No.	Feb	4	8.70	14.59	d 15,93	e 28.07	89	1 1.91	1.19	10,49	g 5.00	g 5.33	2.74	1.033	.123	h 29,026
-	Nov	4	8.70	c 11.57	d 12.60	e 36,29	87	12.44	1.53	10.15	3, 17	3.14	2.16	.904	.134	29,081
Aver	age	3.8	8,83	13,63	16,05	48 29	79	3,69	2,31	9,37	3,50	3.42	2.67	.801	.115	29,053
920	Mar.	3	6,52	12.06	d 16.77	40.90	83	2.80	1.75	9,93	4.68	4.94	3,12	1 ,942	1 .181	29,027
Less than the Average No. of Deaths.	June.	3	6,52	c 15.80	d 18,73	e 64.08	73	15.05	3.16	8,52	g 3.17	g 3,00	3, 15	.677	,100	29,030
le A	July	3	6,52	c 14.32	d 18.10	e 73.04	68	f 6,83	4,27	7.41	g 2 10	g 1.74	2.96	.611	.068	ь 29.085
un th	April	2	4.35	c 14.07	15.77	o 50.55	69	3.51	2 19	9.49	4.37	4 53	3.76	1 .929	.080	28.875
No.	Jan	1	2.17	9,00	11,03	29.11	-89	1.82	1.14	10:54	3.74	4.48	1.12	.709	J .148	h 29,099
Les	May			13.08	15.45	o 54.57	61	3.68	2.30	9,38	3.97	4.10	3.44	.741	.100	29,013

See foot note to Exhibit K, page 258.

Excluding 1 death in unknown month.

Exceptions to the proposition that the Daily Range of Temperature was greater than the average

Exceptions to the proposition that the Daily Range of Temperature was greater than the average in months where more than the average number of deaths occurred, and vice versa.

Exceptions to the proposition that the Range of Temperature "from day to day" was greater than the average in months when more than the average number of deaths occurred, and vice versa.

Exceptions to the proposition that the Temperature was higher than the average in months when more than the average number of deaths occurred, and vice versa.

Exceptions to the proposition that the Absolute Humidity was greater than the average in months when more than the average number of deaths occurred, and vice versa.

Exceptions to the proposition that the Ozone was less than the average in months when more than the average number of deaths occurred, and vice versa.

Exceptions to the proposition that the Atmospheric Pressure indicated by the Barometer was greater than the average in months when more than the average number of deaths occurred, and vice versa.

Versa.

1 Exceptions to the proposition that the Range of Barometer was greater than the average in months when more than the average number of deaths occurred, and vice versa.

1 Exceptions to the proposition that the Average Daily Range of Barometer was greater than the average in months when more than the average number of deaths occurred, and vice versa.

The deaths from intermittent fever may be studied, in connection with coincident meteorological conditions, in Exhibit W. The largest number of deaths from this disease was returned for August, none having been returned for the month of May.

EXHIBIT X.—Typhoid Fever.—Deaths Returned as having occurred in Michigan from Typhoid Fever, by Months, during the Year 1878, and some coincident Meteorological conditions.

	THS IN	Typ	eaths rom phold ever, 878.	Men	orature, in of Ti Observ 1., 2 P. 3	ations,		dity of			Rela	ne,— tive, mum 10.		phe	sure of re. Inc Mercuraced to	ches of
BYN	UMBER DEATHS				rage ige.		Per Cent. of	Vapor in Cu-	of Vapor	passages in 24 vapor inhaled.a			Inches.		ge of meter-	
Fr GRE	PHOID EVER, EATEST	Number.	Per Cent. of Total.	Dally.	From Day to Day, -2 P. M. to 2 P. M.	Average.	Relative Humidity, or Per Saluration.	Weight, in Grains, of Vap	Weight, in Troy Ounces, of Inhaled by one Person in 5	Weight, in Troy Ounces, of Exhaled from Air passages hours in excess of vapor inh	Day, - 7 A. M. to 2 E. M.	Night, -9-P. M. to 7 A. M.	Rain and Metted Snow, in Inches.	Monthly, and Year,	Average, Dally.	Average Pressure.
Year	, 1878	329	100.00	13.63	16.05	48,29	79	3,69	2.31	9.37	3.50	3.42	31.99	1.276	-115	29,053
-	Sept.	54	18.41	17.43	20,30	63,15	78	5.18	3.24	5.44	2.23	1.60	3.43	.903	1 .103	29.157
No. of Deaths.	Oet	52	15.81	16.03	18 58	48,33	76	e 3,38	2,11	9.57	2.71	1,97	1.99	6 .684	. 132	29,080
f De	Aug	42	12.77	17.71	19.74	70.15	74	6,06	3.79	7.89	2,32	1.52	1.85	h .434	1,065	€ 29,010
No. o	Nov	41	12,48	611.57	e 12.60	436,29	87	+ 2,44	1.53	10.15	3.17	3.14	2.16	.904	.134	29,081
Mo	Dec	81	9.42	6 7.90	e 9.55	421.29	95	• 1.62	1.01	10.67	f 4.55	14.74	2.27	1,062	.162	29,147
Aver	age	27	8,83	13.63	16.05	48,29	79	3.69	2 31	9.37	3.50	3.42	2.67	,802	.115	19.053
. 1	May.	21	6.38	13,08	15,45	454.57	61	3.68	2,30	9,38	3,97	4.10	3.44	.741	.100	29,013
ha.	July	21	6,38	b 14.32	e 18.10	473.04	68	+ 6.83	4,27	7.41	r 2.10	1 1.74	2.96	.611	.068	# 29.085
Deal	Mar	16	4.86	12,06	c 16,77	40.90	53	2,80	1.75	9.93	4.68	4.94	3.12	6 .942	1 .181	29,027
Number of Deaths.	April.	14	4.26	6 14.07	15.77	450.55	69	3,51	2.19	9.49	4.37	4.53	3.76	h .929	.080	28,575
nber	Feb	18	3.95	b 14.59	15,93	28.07	89	1.91	1.19	10.49	5,00	5.33	2.74	h 1.033	1 ,128	29,026
Nun	June	13	3,95	b 15,80	c 18.73	464.08	72	v 5,05	3.16	8 52	13.17	13.00	3.15	:677	.100	29,030
7	Jan	11	3,34	9,00	11.03	29,11	80	1.82	1.14	10,54	3.74	4.48	1.12	.70%	1.146	c 29.090

<sup>\*</sup> See foot-note to Exhibit K, page 258.

b Exceptions to the proposition that the Daily Range of Temperature was greater than the average in months when more than the average number of deaths occurred, and vice versa.

c Exceptions to the proposition that the tange of Temperature Trom slay to slay was greater than the average in months when more than the average number of duality securred, and vice versa.

d Exceptions to the proposition that the Temperature was higher than the average in months when more than the average number of deaths occurred, and vice versa.

Exceptions to the proposition that the Absolute Hambity was presented in months when more than the average number of deaths occurred, and vice versa.

Exceptions to the proposition that the Ozone was first than the average in months when more than the average number of deaths occurred, and vice versa.

Exceptions to the proposition that the Ozone was first than the average in the Barometer was greater than the average in months when more than the average mumber of deaths occurred, and vice versas.

<sup>\*</sup> Exceptions to the proposition Post to when more than the average number of ! Exceptions to the proposition that average in months when non-than the

to exerage in months

as greater than the

Typhoid Fever.—Three hundred and twenty-nine (329) deaths from typhoid fever were returned as having occurred in this State in 1878,—2.58 per cent. of the deaths from all causes. This is the smallest number of deaths ever returned to the State Department as having been caused by this disease in Michigan in any one year. In 1878, September shows a larger number and proportion of deaths from typhoid fever than any other month, and the decedents aged 15 to 20 years were in excess of those at any other period of life. In Exhibit X the relation of the deaths from typhoid fever to the coincident meteorological

conditions may be studied.

Diarrhea.—Only 173 deaths from diarrhea were returned as having occurred in Michigan in 1878,—1.36 per cent. of the deaths from all causes. This is a marked falling off from the number returned for any previous year,—a fact which is mentioned also in regard to typhoid fever, on this page. The average annual number of deaths from diarrhea returned for the nine years 1869–1877 was 335, from which it appears that the number returned for 1878 (173) is only about one-half (51.64 per cent.) of the annual average for the nine preceding years. The largest per cent. in 1878 occurred in August, and 67.05 per cent. occurred during the months of July, August, and September, and of all the decedents from this disease, 87.86 per cent. were under 5 years of age.

Exhibit 16 facilitates the study of the relation of deaths from diarrhea in July and August of each of the years 1872-1878 to the coincident meteorological conditions. According to this Exhibit, a warm, moist atmosphere seems

to be attended with a large mortality from diarrhea.

Exhibit 21 affords an opportunity of studying the relations which this dis-

ease bears to meteorological conditions during the year 1878.

Table XXI. shows the number of deaths from diarrhea and from dysentery in 1878 in each of eleven geographical divisions of Michigan. The northeastern division of the lower peninsula shows the largest proportion of deaths from diarrhea, and the sout-hwestern was reported to have had no deaths from this disease in 1878.

EXHIBIT 16 .- Diarrhea .- Deaths in Michigan from Diarrhea in July and August of each of the Years 1873-1878, the Average for Six Years ending with 1878, and some coincident Meteorological conditions, at the Agricultural College, near the center of the thickly-settled part of the State.

	Dlarrhea.	Mean	erature of 3 Da ions,—	ily Ob-	Atmor Etc Mon		Ozon Rela Maxis	tive mum	in Inches.	of . Inche	Pressur Atmosp s of Me seed to	bere.
JULY AND AUGUST OF BACH	s from		rage ige.		dity, or Satura-	Foot	P. M.	A.M.	Snow,	Rang Baron		
OF THE YEARS 1873-1878.	Number of Deaths from	Daily.	From Day to Day,-2 F. M. to 2 F. M.	Average.	Relative Humidity, of Per Cent. of Saturition.	Weight, in Grains, of Vapor in Cubic Foot of Air.a	Day,-7 A. M. to 21	Night,-9 P. M. to 7	Rain and Meited Snow, in Inches.	Monthly.	Avorage, Dally.	Avorago Prossure.
Lvorage July	61	16.33	19, 18	72.05	71	6.43	2.39	2.16	2.968	.526	. 166	26,10
August	96	17.27	19.62	<b>69.3</b> 9	78	6.07	2.63	1.75	2.489	.507	. 149	26,50
July	65	15.33	18,68	c 70.82	78	R.43	3.59	13.06	5,124	.453	.063	J 26 91
(August	103	c 18,55	421.32	69,49	81	6.29	13,55	1 2.65	f .796	.574	.084	J 26.92
874	61	17.68	21 85	72.02	71	6.00	1,80	1.50	2,580	.463	.078	28,90
August	104	17,23	19,61	60.39	в 74	h 5.75	1 2.80	1.10	f 1.278	.503	.065	3 28,99
875 July	56	o 16.26	a 18.26	69.67	g 78	5.91	3.52	3.22	2.420	.564	.096	J 29,0
	80	e 16.90	4 18.61	65.48	77	5.22	3.50	3.70	1.470	.806	.652	J 29.0
876 July	69	15.87	17.90	72 48	78	6.76	2.16	1.5	12,100	.507	.070	29,0
876 July August	93	c 17.74	4 20.97	71.55	g 76	6.31	1.97	1,26	f 1.280	.459	.061	29.0
877. July	53	1		71.43	70	5.76	2.71	1 1.77	2.250	.655	.083	3 29.0
(August	96	17.45	19.48	68,46	78	5.74	3.42	1,03	6,570	.401	.056	29,0
878 July	1		4 18.10	• 73.04	. 63	ь 6.83	2.10	1 1.74	1 1	.611	.068	) <b>29</b> ,0
August	47	17.71	19.74	e 70.15	74	6.06	12.32	1 1.52	1.850	.434	,065	J 29.0

See foot-note to Exhibit K, page 258.
 Exceptions to the proposition that the Average Daily Range of Temperature was less than the average for July or August in months of July or August when more than the average number of deaths from Darrhea occurred, and vice versa.

deaths from Diarrhea occurred, and vice versa.

4 Exceptions to the proposition that the Average Range of Temperature "from day to day" was less than the average for July or August in months of July or August when more than the average number of deaths from Diarrhea occurred, and vice versa.

• Exceptions to the proposition that the Average Temperature was higher than the average for July or August in months of July or August when more than the average number of deaths from Diarrhea or deaths from the average of the proposition that the Average Temperature was higher than the average for July or August when more than the average number of deaths from

July or August in months of July or August when more than the average number of deaths from Diarrhea occurred, and vice versa.

f Exceptions to the proposition that the amount of rain and melted snow was greater than the average for July or August in months of July or August whon more than the average number of deaths from Diarrhea occurred, and vice versa.

g Exceptions to the proposition that the Average Rolative Humidity was greater than the average for July or August in months of July or August when more than the average number of leaths from Diarrhea occurred, and vice versa.

A Exceptions to the proposition that the Absolute Humidity was greater than the average for July or August in months of July or August when more than the average number of deaths from Diarrhea occurred, and vice versa.

Diarrhea occurred, and vice versa.

Diarrines occurred, and vice versa.

1 Exceptions to the proposition that the Day or Night Ozone was less than the average for July or August in months of July or August when more than the average number of deaths from Diarrhea occurred, and vice versa.

3 Exceptions to the proposition that the Atmospheric Pressure was more than the average for July or August in months of July or August when more than the average number of deaths from Diarrhea occurred, and vice versa.

Diarrhea occurred, and vice versa.

EXHIBIT 21.—DIARRHEA.—Deaths Returned as having occurred in Michigan from Diarrhea, by Months, during the Year 1878, and some coincident Meteorological conditions at the Agricultural College, near Lansing, Michigan, and near the center of the thickly-settled part of the State.

	NTHS DER BY	Dia	raths rom rrhea, 578.	1	peratur rees F	200		Atmos Av. of 7 A. M M., an M., dall	Obs. at 2 P.	Ozone, tive.— of 10 D of Co	egrees lora-	per Hour,-	of Inch	Pressu Atmosp es of M aced to	re cherc. ercury. 32° F.)
NUMI	BER OF			Daily,	and for	Observations and : F. M.	elted Snow,	or Per Cent.	Grains of	A. M. to 2	9 P. M. to	Wind, Miles mometer. b	Rang Baron	ge of neter.	
DIAR	ROM RHEA, ATEST RST.	Number.	Per Cent. of Total.	M. 2 P. M., and 9 F. 3 Dally.	Night, by Regist's Thermometer, Obs. at 7 A.M.	Average of Dally Ob at 7 A. M., 2 P. M., an	Inches of Rain and Melted Snow	Relative Humidity, or of Saturation.	Absolute Humidity Grains of Vapor in a Cubic Foot of Air.a	Day Observation,-7	Night Observation,-	Average Velocity of Wind, Mil By Registering Anemometer.	Mouthly, and for Year,	Average Dally Range of Observations at 7 a.m., 2 P. M., and 9 P. W.	Average Pressure.
Year 1	878	178	100.00	13.56	20.31	48.29	31.99	79	3.69	3.50	3.42	5.1	1 276	.115	29.05
of	Aug	47	27.17	17.71	27.69	70.15	1.85	74	6.06	2.32	1.52	3.1	1.434	k .065	1 29.01
More than Av. No. of Deaths.	July .	39	22.54	14.29	22.80	73,04	2.96	68	6,83	2.10	1.74	3.1	1.611	k .068	29,08
Av. Des	Sept	30	17.84	17,43	24,40	63.15	3.43	78	5.18	2,23	1.60	4.8	.903	k .103	29,15
Avera	ge	14	8,09	13.56	20.31	48.29	2.67	79	3.69	3.50	3.42	5.1	.802	.115	29.05
1	Oct	12	6.94	e 15.77	c 22,00	d 48.33	1.99	0 76	3,38	g 2.71	ь 1.07	6.2	.684	k .132	1 29,08
No.	June.	10	5.78	s 15,80	c 24.70	4 64.08	8,15	# 78	f 5.05	£ 3.17	ь 3.00	1 4.3	.677	.100	29.03
00	Nov	7	4.05	11,57	15.70	36,29	2.16	87	2.44	F 3.17	ь 3.14	1 5.0	5 .904	k.134	29.08
hs.	Dec	7	4.05	7.90	12.00	21.29	2,27	95	1.62	1.55	4.74		1 1,062	k :142	1 29.14
Dear	March	5	2,89	12.06	16,10	40.90	3.12	53	2.50	4.68	4.94	6.7	1.942	k.181	29,02
Less than the Average No. of Deaths.	May	5	2,89	13 08	c 22.17	3 54.57	3.44	* 61	3.68	3.97	4.10	5,6	.741	.100	29.01
2	Jan	4	2,31	8.74	12.11	29.11	1.12	89	1.82	3.74	4.48	5.7	.709	k .146	1 29,09
Le	April.	4	2,31	= 14.07	20.07	4 59 55	3.76	e 69	3.51	4.37	4.53	6.8	1.929	.080	28.87
	Feb	3	1.73	c 14,55	c 20 50	28.07	2.74	89	1.91	5.00	5.33	1 5.0	J 1.033	k .123	29,02

<sup>\*</sup> See foot-note to Exhibit K, page 238.

b The observations of the Velocity of the Wind were made at the office of the State Board of Health, Lansing.

\* Exceptions to the proposition that more than an average number of deaths from Diarrhea occurred in months when the Average Daily Range of Temperature was greater than the average, and vice versa.

\* Exceptions to the proposition that more than an average number of deaths from Diarrhea occurred in months when the Average Daily Temperature was higher than the average, and vice

<sup>\*</sup> Exceptions to the proposition that more than an average number of deaths from Diarrhea occurred in months when the Relative Humidity of the Atmosphere was tess than the average, and it is expected in months when the Absolute Humidity of the Atmosphere was greater than the average, and ties verse.

e proposition that more than an average number of deaths from Diarrhea when the Amount of Ozone in the Atmosphere, as indicated by the Day obserthe average, and vice versa.

proposition that more than an average number of deaths from Diarrhea on the Amount of Ozone in the Atmosphere, as indicated by the Night obserte average, and vice versa.

roposition that more than an average number of deaths from Diarrhea the Velocity of the Wind was tess than the average, and vice versa.

I continued at bottom of page 270.]

Dysentery.—This disease is reported to have caused 158 deaths in Michigan in 1878,—the smallest number returned for any of the years 1869-1878. The annual average for the nine years 1869-1877 was 271, which is 113 more than the number returned for 1878. The largest proportion occurred in August, as was the case with diarrhea, and 75.31 per cent. of the deaths from dysentery occurred in the months of July, August, and September; 80.38 per cent. of all the decedents from this disease were under 5 years of age.

An examination of Table XXI. will show that the portion of the State most extensively affected by dysentery in 1878 was the north-eastern division, as was also the case with diarrhea, and the least proportion is shown for the southerncentral division.

TABLE XXI.—DIARRHEA AND DYSENTERY.—Exhibiting for the State and for Eleven Geographical Divisions of the State, during the Year 1878, the Number of Deaths Returned as having occurred from Diarrhea and from Dysentery, and the Per Cent. of Deaths from each Disease to Deaths from All Causes.

		IRA, 1878, D CHRONIC.		RRY, 1878, D CHRONIC.
STATE AND GEOGRAPHICAL DIVISIONS.	Number of Deaths, 1878.	Per Cent. of Deaths from All Causes, by Geograph- ical Divis- ions.	Number of Deaths, 1878.	Per Cent. to Deaths from All Causea, by Geograph- ical Divis- ions.
STATE	173	1,86	158	1.24
Upper-peninsular	7	.99	4	.56
Northwestern	11	3.57	7	2.27
Northern	1	.44	5	2.21
Northeastern	S	4.91	6	3.68
Western	12	.92	18	1.53
Northern-central	4	1.72	6	2.58
Bay and Eastern	18	1.09	23	1.39
Oentral	10	.50	31	1.56
Southwestern	•••••		16	1.51
Southern-central	17	.76	8	.36
Southeastern	85	2.96	34	1.19

<sup>.</sup> For counties included in each Division, see page 162.

Exhibit 19, page 271, permits of a study of the relations of the principal meteorological conditions to the deaths from rheumatism in Michigan during the year 1878. The number of deaths reported from this disease is very few, only

J Exceptions to the proposition that more than an average number of deaths from Diarrhea Occurred in months when the Monthly Range of Barometer was greater than the average, and vice

becaused in months when the stores, among the name of deaths from Diarrhes because of the proposition that more than an average number of deaths from Diarrhes occurred in months when the Average Daily Range of Barometer was greater than the average, and becoversa.

1 Exceptions to the proposition that more than an average number of deaths from Diarrhes and in months when the Average Daily Pressure of the Atmosphere was greater than the

55 for the entire State. The greatest mortality occurred in June, and the smallest in March.

EXHIBIT 19.—Rheumatism.—Deaths returned as having occurred in Michigan from Rheumatism, by Months, during the Year 1878, and some coincident Meteorological conditions.

мо	NTHS IN	De	aths.	Daily (	rature, in of Ti observa N., 2 P	tions,-	A	Hum tmosph lonthly	Avera	te.,-	Rela Max	ne,— itive. mum 10.	pher	e. Inc	
	DER BY				rage		r Cent.	Vapor fn	of Vapor	Vapor s in 24 haled.s			Rang	ge of neter.	
FRO:	EATHS M RHEU- ATISM,* EATEST FIRST.	Number.	Per Cent. of Total.	Dally.	From Day to Day, - 2 P. M. to 2 P. M.	Average.	Relative Humidity, or Per of Saturation.	Weight, in Grains, of Va	Weight, in Troy Ounces, of Inhaled by one Person in 24	Weight, in Troy Ounces, of Vapor Exhaled from Air passages in 24 hours in excess of vapor inhaled.a	Day,-7 A. M. to 2 P. M.	Night, -9 r. M. to 7 A. M.	Monthly, and Year.	Average, Dally,	Average Pressure.
Year	r, 1878	55	100,00	13.63	16.05	48,20	79	3,69	2.31	9.37	3,50	3,42	1.270	.115	29.058
- 13	June	8	14.55	15.80	18.73	64.08	78	5.05	3.16	8.52	3.17	3.00	.677	.100	a 29,030
rage	Dec	6	10.91	7,90	9,55	21.29	95	6 1.62	1.01	10,67	£ 4.55	e 4.74	1.062	.142	29.147
Nore than the Average Number of Deaths.	Feb	5	9,09	14.59	15.93	28,07	89	ь 1.91	1.19	10,49	e 5,00	c 5.33	1.033	.123	a 29.026
the of	April	5	9,09	14.07	15.77	50.55	69	ь 3.51	2.19	9,49	c 4.37	€ 4.53	.929	.080	4 28,870
nan ier	July	5	9.09	14.32	18,10	73.04	68	6.83	4.27	7.41	2,10	1.74	.611	.068	29,085
re th	Aug	5	9.09	17.71	19.74	70.15	74	6.06	3.79	7.59	2,32	1 52	.431	.065	4 29,010
Mo	Oct	. 5	9.09	16,03	18.58	48,33	76	ь 3,38	2.11	9.57	2.71	1.97	.684	.132	29,080
	Nov	5	9.09	11.57	12.60	36.29	87	5 2.44	1.53	10.15	3.17	3.14	.904	.134	29,081
Ave	rage	4.6	8,33	18,63	16.03	48,29	79	3,69	2.81	9.37	3.50	3.42	,802	.115	29.058
Av.	Sept.	4	7.27	17.43	20,30	63.15	78	b 5.18	3.24	8.44	e 2.23	e 1.60	,903	.103	4 29,157
Less than Av. No. of Deaths.	Jan	3	5.45	9.00	11.03	29.11	89	1.82	1.14	10.54	3.74	4.48	.709	.146	4 29.099
of l	May	3	5.45	13,08	15,45	54.57	61	3.68	2,30	9.38	3.97	4,10	.741	.100	29.013
No	March.	1	1.82	12.06	16,77	40,90	83	2.80	1,75	9.93	4.68	4.94	.942	.181	29,027

ar 1878 ranks sixth among the ten years, 1869-1878, nber of deaths from scarlet fever; and among the cuses of death in Michigan in 1878, scarlet fever ar 1878, according to the returns, 429 deaths were State, which is 3.36 per cent. of the deaths from

Includes Rheumatism of Heart, Inflammatory, Sciatic, Spinal, and Rheumatism.
See foot-note to Exhibit K, page 258.

Exceptions to the proposition that the air contains more than the average amount of vapor of sterin months when more than the average number of deaths from Rheumatism occurred, and

epilions to the proposition that there was *less* than the average Ozone in the air in months over than the average number of death from Rheumatism occurred, and vice versa. or the atmospheric Pressure was greater than the average in when more than the average number of deaths from Rheumatism occurred, and vice versa.

all causes. The order of the years 1869-1878, those first which show the greatest proportion of deaths from scarlet fever, is as follows: 1870, 7.91 per cent.; 1871, 7.15 per cent.; 1872, 4.20 per cent.; 1873, 4.02 per cent,; 1875, 3.53 per cent.; 1874, 3.52 per cent.; 1878, 3.36 per cent.; 1876, 3.17 per cent.; 1877, 3.13 per cent.; 1869, 2.75 per cent. In 1878, the largest proportion occurred in December, and 64.34 per cent. were of persons under 5 years of age.

In Exhibit Y this disease may be studied in its relation to certain coincident

meteorological conditions, by months.

EXHIBIT Y .- Scarlet Fever .- Deaths returned as having occurred from Scarlet Fever in Michigan during the year 1878, and some coincident Meteorological conditions.

Mo	NTHS IN ORDER	Sca Fe	aths om arlet ever,	Mean	of three ations.	edally	Hum Etc.,	dity o	of Atmothly Av	osphere, erages.	Rela	ne,- stive. mum 10.	phere.
	NUMBER OF DEATHS FROM			Aver	rago ige.		or Per	Vapor Ir.s	ne per-	Junces, of from Air hours, in inhaled, a	M.	A.36.	f Atmos
SC	ARLET FEVER, GREATEST FIRST	Number.	Per Cent. of Total,	Dally.	From Day to Day, 2 P. M. to 2 P. M.	Average.	Relative Humidity, or Cent. of Saturation.	Weight, in Grains, of Vapor in Cubic Foot of Air."	Weight, in Troy Ounces, of Vapor Inhaled by one per- son in 24 hours.*	Weight, in Troy Ounces, Vapor Exhaled from A passages in 24 hours, excess of vapor inhaled	Day,-7 A. M. to 2 P.	Night,-9 r.m. to 7	Average Pressure of Atmosphere, (Barometer Reduced to 32* Fahr.
YEAR	, 1878	429	100,00	13,63	16.05	48,29	79	3.69	2.31	9,37	3.50	3,42	29.65
. o.	December	75	17.48	7.90	9.55	21.29	95	1.62	1.01	10.67	4,55	4.74	29.147
Av. No. of Deaths.	November	52	12,12	11.57	12.60	36,29	87	2.44	1.53	10.15	48,17	4 3.14	29.083
AY. Do	March	41	9,56	12.06	16,77	40,90	83	2,80	1.75	9,93	4.68	4.94	29,027
ver	ıge	36	8,33	13.63	16.05	48,29	79	3.69	2.31	9.37	3.50	3,42	29,033
	ſ April	35	8.16	14.07	15.77	50.55	69	3.51	c 2.19	0,49	4 4.37	4 4,53	28,875
0	February	34	7.93	14.59	15.93	b 28.07	89	1.91	e 1.19	10.49	4 5.00	4 5.33	29,056
B. B.	January	32	7.46	9.00	11.03	b 29.11	89	1.82	c 1.14	10.54	# 3,74	4 4.48	29,000
Bath	May	31	7,23	13,08	15.45	54.57	61	3,68	c 2,30	9,38	4 3,97	4 4.10	29,013
r D	August	31	7,23	17,71	19.74	70.15	74	6.06	3.79	7.80	2,32	1,52	29,010
Less than the Average No. of Deaths.	September	27	6.29	17.43	20,30	63.15	78	5,18	3,24	8.44	2 23	1.60	29.15
200	October	26	6.06	16.03	18,58	48.33	76	3.38	e 2.11	9,57	2.71	1.97	12.65
1	June	23	5.36	15,80	18.73	64.08	.73	5,05	3.16	9,82	3.17	3.00	12.00
	[July	22	5.13	14.32	18.10	73.04	98	6.83	8.27	7.10	2.30	1.74	31

<sup>\*</sup> See foot-note to Exhibit K, page 258.

b Exceptions to the proposition that more than \*\*
in which the temperature was less than the aver

c Exceptions to the proposition that more than
in which less than the average quantity of vap

d Exceptions to the proposition that more the
the which the Ozone was more abundant than I

Consumption.—With the exception of the year 1877, consumption was reported to have caused more deaths in Michigan in 1878 than in any previous year. This disease caused 1,641 deaths in this State in 1878, as shown by the returns, which is 12.85 per cent. (more than one-eighth) of the deaths from all causes. The number of deaths from consumption in each of the years 1869-1878 is as follows: 1877, 1,664; 1878, 1,641; 1876, 1,590; 1875, 1,479; 1872, 1,467; 1870, 1,451; 1873, 1,447; 1874, 1,392; 1871, 1,303; 1869, 1,233. In 1878 the largest number occurred in April, although the distribution throughout the months of the year is very uniform.

Exhibit N shows the number of deaths from consumption in each month of

the year 1878 when the months are equalized to a uniform length.

Exhibit O shows the number of deaths from consumption in 1878 and some coincident meteorological conditions, by months.

EXHIBIT N.—Consumption.—By Sex, the Number of Deaths Returned as having occurred in Michigan from Consumption during the Year 1878, by Months Equalized to Uniform length of 30.44 days each; also the Average Number per Month. (Deaths in unknown month excluded.)

		I	DEATH	s Fro	M CON	SUMP	LION I	N 1878,	BY M	ONTH	OF E	QUAL	LENG	TH.
SEX.	TOTAL.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Monthly Av.
Total	a 1,637	89	127	136	176	132	122	141	139	145	141	148	146	136.43
Males	730	35	59	64	74	61	57	60	63	67	54	68	65	60.83
Females.	907	54	68	72	102	68	65	81	76	78	87	75	81	75.58

Excluding 4 deaths from consumption in unknown month, and including 2 males gained and excluding 2 females lost in equalizing. The number of deaths returned from consumption was 1,641,—729 males and 912 females.

EXHIBIT O.—Consumption.—Deaths Returned as having occurred from Consumption in Michigan during the Year 1878, and some coincident Meteorological conditions.

1	MONTHS IN		Con-	Daily	orature, an of T Observ 1., 2 P. 9 P. M	hr	ee ons.—	Hu	-	of Atme	THE RESERVE	Ozor Relai Maxi	num	Atmosphere, 32° Pahr.)
OR	BER OF			Ave	rage		1	or Per	of Va-	ces, of ne per-	from Air bours in inhaled, a	M.	A. M.	of At
00	EATHS FROM INSUMPTION, GREATEST FIRST.	Number.	Per Cent. of Total.	Dally.	From Day to Day, 2 F. M. to 2 F. M.		Average,	Relative Humidity, or Cent. of Saturation.	Weight, in Grains, por in Cubic Foot	Weight, in Troy Ounces, of Vapor Inhaled by one per- son in 24 hours, a	Weight, in Troy Ounces, of Vapor Exhaled from Air passages in 24 hours in excess of vapor inhaled.	Day,-7 A. M. to 2 F.	Night, -9 F. M. to 7	Average Pressure of (Barometer Reduced to
(ear	r, 1878	ь 1,637	100.00	13,63	16.05		48,29	79	3.69	2.31	9.37	3,50	3.42	29.0
	April	173	10.57	14.07	15.77		50,55	69	3.51	4 2,19	9.49	4.37	4.53	28.8
saths.	Dec	149	9.10	7.90	9.55	0	21.29	95	1,62	d 1.01	10.67	4.55	4.74	29.1
of Deaths.	July	144	8,80	14.32	18,10		73.04	68	6,83	4.27	7.41	2,10	1.74	29.0
f D	Oct	144	8,80	16.03	18,58	ı	48.33	76	3,38	d 2.11	9.57	2.71	1.97	29.0
er o	Sept	143	8.74	17.43	20,30		63.15	78	5.18	3,24	8.44	2.23	1,60	29.1
dmu	Aug	142	8.67	17,71	19.74		70.15	74	6.06	3.79	7.80	2.32	1.52	29.0
Number	Nov	141	8.61	11,57	12,60	0	36.29	87	2.44	4 1.53	10.15	3.17	3.14	29.0
1	March	139	8,40	12.06	16.77	0	40,90	83	2,80	d 1.75	9,93	4.68	4.94	29,0
ve	rage	136	8.33	13,63	16.05		48,29	79	3,69	2.31	9,37	3,50	3,42	29.0
18.	May	134	8.19	13.08	15.45	e	54.57	61	3.68	2.30	9.38	3.97	4.10	29.0
No. of Deaths.	June	120	7.33	15.80	18.73		64.08	73	5.05	a 3.16	8.52	3.17	3,00	29,0
of I	Feb	117	7.15	14.59	15.93		28.07	89	1.91	1.19	10.49	5.00	5.33	29,0
No.	Jan	91	5,56	9.00	11.03		29.11	89	1.82	1.14	10.54	3 74	4.48	29.00

Pneumonia.—The mortality from pneumonia in this State in 1878 was smaller than usual, only 462 deaths from this disease having been returned for the year 1878. This is 3.62 per cent f deaths from all causes. number returned for 1878 is small for any year since 1871, annual average number of deaths years preceding 1878 (1869-1)

is only 79.52 per cent. of th 18 and P, the influence of the deaths from pneumonis

a See foot-note to Exhibit K, page 258.

b Excluding 4 deaths in unknown month.
c Exceptions to the proposition that the Temperature was higher than the average in months when more than the average number of deaths from Consumption occurred, and vice versa.
d Exceptions to the proposition that more than an average amount of vapor was inhaled in months in which there was more than the average number of deaths from Consumption, and vice Derso.

EXHIBIT 18.—PNEUMONIA.—Deaths Returned as having Occurred in Michigan from Pneumonia in February and March of each of the Years 1873-1878, the Average for the Six Years ending with 1878, and some coincident Meteorological conditions, at the Agricultural College, near the center of the thickly-settled part of the State.

	from Pacu-	Mean o	erature of 3 Da lons—;	Ily Ob-	Atmos Etc Mon	dity of phere, thly ages.	Rela	ne,— tive. mum 10.	Snow, in Inches.	Inche	Pressur Atmosp s of Me aced to	here.
MARCH OF EACH OF	hs fro	Ave	rage ige.		y, or ura-	Foot	×	A.M.	now,	Rang		
THE YEARS 1873-1878.	Number of Deaths monia.	Dally.	From Day to Day, 2 P. M. to 2 P. M.	Average.	Relative Humidity, or Per Cent. of Satura- tion.	Weight, in Grains, of Vapor, in Cubic Foot of Air.	Day,-7 A. M. to 2 P.	Night,-9P.M.to7A.M.	Rain and Melted S	Monthly.	Average, Dally.	Average Pressure.
(February	73	15.66	18.27	23.15	88	1.47	4.97	5.91	1.541	1.091	,158	28,958
Average March	89	14,38	16.88	29.64	85	1.80	1.83	5.96	1.755	1.230	.176	28,920
1873 February March	110	14.61	12000	g 19.10 28.30	1 91	1.43	10000	o 5,93	.770 1.730	.842 1.307	.197	28.847 r 28.852
1874 February March	57 108	12.32 13.52	* 14.07 16.45	1000	89 83	1.55	5,58 m 5.00		1.550 1,786	1.387	.171	9 28,928 28,896
1875 February March	116	15.48	16,68	g 8.35 h 26.20	1 87		n -5.70	o 6.57	2.198 1.020	1.231	.163	28,875 28,844
1876 February March	107	20100	14.39	30,55	J 95	1.59	5.76 n 6.06	7.27 p 7.00	3,040 4,840	1.033	.176	29,063 r 28,929
1877   February   March,	56 64	14.79 15.29	13.3		91		m 4,54 5,20	6.06	.000	1.007	.122	29,124 28,981
1878 February March		e 14.59 d 12.06		1	F9 1 83	1.91 2.80		o 5.83	2.740 .312	1.033	.123	29.026 29.027

See foot note to Exhibit K, page 258.
 Four out of seven cases in which the Average Daily Range of Temperature and the deaths were

\* Four out of seven cases in which the Average Daily Range of Temperature and the deaths were both less than the average.

4 Two out of seven cases in which the Average Daily Range of Temperature and the deaths were both less than the average.

\* Four out of seven cases in which the Average Range of Temperature "from day to day" and the deaths were both less than the average.

Two out of seven cases in which the Average Range of Temperature "from day to day" and the deaths were both less than the average.

the deaths were both less than the average.

Six out of seven cases in which the Average Temperature was higher and the deaths less than the average, or vice versa.

Two out of seven cases in which the Average Temperature was higher and the deaths less than the average, or vice versa.

Five out of seven cases in which the Relative Humidity and the deaths were both less than the average, or both greater than the average.

First nut of seven cases in which the Relative Humidity and the deaths were both less than the average, at lath greater than the average.

Which the Absolute Humidity and the deaths were both less than the average, at lath greater than the average.

high the Absolute Humidity and the deaths were both greater than

average.

The Day Ozone and the deaths were both less than the average, the Day Ozone and the deaths were both less than the average,

<sup>1</sup> at bottom of page 276.]

EXHIBIT P.—PNEUMONIA.—Deaths returned as having occurred from Pneumonia, in Michigan during the Year 1878, and some coincident Meleorological conditions.

	Months	f Pn	eaths rom eumo- , 1575.	Mean	of Thr	TA. M.,	Hum Etc.	ildity ( ,—Mon	of Atu	osphere, verages.	Rela	ne,— stive. mum lu.	phere. Fabr.)
	NUMBER OF			Ave	rage ige.		or Per	Vapor Ir.s	Ounces, of by one per-	from Afr hours, in	ж,	A. K.	f Atmon
1	DEATHS FROM PNEUMONIA, GREATEST FIRST.	Number.	Per Cent. of Total.	Daily.	From Day to Day, 2 P. M. to 2 P. M.	Average.	Relative Humidity, or Cent. of Saturation.	Weight, in Grains, of Vapor in Cubic Foot of Air.	Weight, in Troy Ounces, of Vapor Inhated by one per- son in 24 hours."	Weight, in Troy Ounces, of Vapor Exhaled from Air passages in 24 hours, in excess of vapor inhaled."	Day,-7 A. M. to 2 P	Night,-9 P. M. to 7	Average Pressure of Atmosphere. (Barometer Reduced to 31° Fabr.)
Year	r, 1878	462	100,00	13.63	16.03	48,29	79	3,69	2.31	9,37	3.50	3.42	29.053
 	December	€5	14.07	7.90	9.55	21.29	95	1.62	1.01	10.67	4.55	4.74	29 147
PED	March	59	12.77	12.06	16.77	40.90	83	2,80	1.75	0 93	4.68	4.94	• 29.027
551	April	54	11.69	14.07	15.77	ь 50.55	69	3,51	2.19	9,49	4.37	4.53	• 23.875
More than Av. No. of Deaths.	November	53	11.47	11.57	12.60	36,29	87	244	1,53	10.15	a 3.17	d 3.14	29.081
Ave	rage	39	8.83	13.63	16.05	48.29	79	3,69	2.31	9.37	3,50	3.42	29.053
	February	37	8.01	14.59	15.93	b 28.07	89	1,91	a 1.19	10.49	4 5.00	d 5.33	99.096
9	May	87	8.01	13.08	15.45	54.57	61	3,68	e 2.30	9,38	d 3.97	4.10	29.013
ver	January	36	7.79	9.00	11.03	b 29.11	89	1.82	c 1.14	10.54	4 3,74	d 4.48	• 29,000
n the Aven of Deaths.	October	35	7.58	16.03	18.58	49,33	76	3,35	c 2.11	9.57	2.71	1.97	• 29,080
9 5 1	June	80	6.49	15.80	18.73	64.08	73	5.03	3.16	8.52	3.17	3.00	29,030
Less than the Average No. of Deaths.	September	22	4.76	17.43	20,30	63.15	78	5 18	3.24	8,44	2.23	1.60	• 29,157
Leg	August .,	19	4 11	17.71	19.74	70.15	74	6.06	3.79	7,89	2,32	1.52	29.010
	July	15	3.25	14.32	18.10	78.04	68	6,83	4.27	7.41	2.10	1.74	• 29.055

<sup>\*</sup> See foot-note to Exhibit K, page 25%.

b Exceptions to the proposition that the Temperature was greater than the average in months when less than the average number of deaths from Pneumonia occurred, and vice versu,

Exceptions to the proposition that more than an average amount of vapor was inhaled in months when less than the average number of deaths from Pneumonia occurred, and vice versu,

Exceptions to the proposition that the Ozone was more than the average in months when more than the average number of deaths from Pneumonia occurred, and vice versu.

Exceptions to the proposition that the Atmospheric Pressure was greater than the average in months when more than the average number of deaths from Pneumonia occurred, and vice versu.

<sup>.</sup> Four out of seven cases in which the Night Ozone and the deaths were both less than the average, or both greater than the average.

P Six out of seven cases in which the Night Ozone and the deaths were both less than the

average, or both greater than the average.

4 Two out of seven cases in which the Pressure of the Atmosphere and the deaths were both

less than the average.

r Three out of seven cases in which the Pressure of the Atmosphere and the deaths were both less than the average, or both greater than the average.

Diagram No. 9.

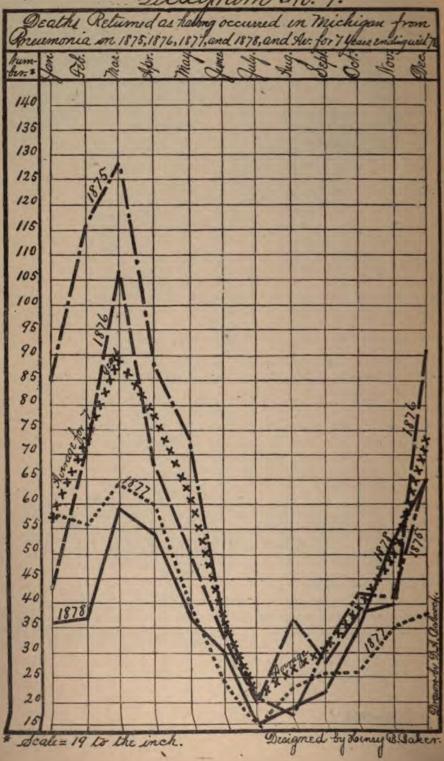


Exhibit 17 shows, by months, the number of deaths returned as having been caused by pneumonia in this State during each of the years 1872-1878, and the average for the seven years ending with 1878. The number returned for 1878 is not only much less than the average but is less than the number returned for any of the other years shown in the exhibit.

EXHIBIT 17.—PNEUMONIA.—By Months, the Number of Deaths Returned as having occurred from Pneumonia, in Michigan, during each of the Years 1872–1878, and the average for Seven Years ending with 1878.

<b>F</b>					D	EATH8	FROM I	NEUNC	ONIA, I	872-187	S.			
YEARS.	TOTALS.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Des.	Unk.
1872	641	46	64	75	79	53	28	26	81	29	86	63	89	
1878	706	84	110	80	58	65	55	20	29	84	87	65	68	1
1874	800	49	57	108	141	103	46	29	32	46	39	50	93	,
1875	745	85	116	128	88	78	86	21	17	31	42	41	63	1
1876	627	43	71	107	68	50	83	20	87	28	88	40	91	,
1877	465	58	56	64	60	39	24	14	23	26	26	35	38	9
1578	462	36	37	59	54	87	80	15	19	22	35	53	65	
Av,for 7 y'rs	635	57	73	80	78	61	36	21	27	31	39	50	78	1

Diagram So. 10.

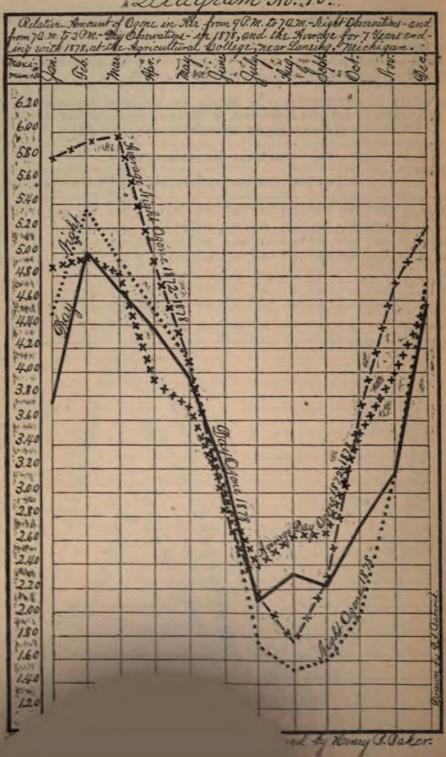


EXHIBIT 20—Relative Amount of Ozone in Air from 9 P. M. to 7 A. M.,—Night Observations,—by Months, during the Years 1872-1878, and the Average for 7 years ending with 1878; also, the Average for 7 years ending with 1878, from 7 A. M. to 2 P. M.,—Day Observations, at the Agricultural College, near Lansing, Michigan.

		Annual				Ozon	E OB	ERVA	rions,	BY M	ONTHE			
YE.	ARS.	Aver- age.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
	1872	2,82	4.50	4.00	8.00	2,63	2.14	1.91	.88	.98	1.40	1.98	4 60	5.8
	1873	4.02	5.06	4.21	4.09	3.76	4.58	3.26	8.59	3.55	2.30	4.52	4.30	4.9
	1874	4.10	5.10	5.53	5.00	5.70	5.80	8.50	.1.80	2.80	2,90	8.32	3.80	4.0
Day	1875	4.53	5.52	5.78	5.70	3.73	8.19	3.96	3.52	3.50	4,30	5.30	4 90	5.0
	1876	3.68	5.32	5.76	6.06	3.70	3.10	1.87	2,16	1.97	2.60	3.45	3.57	4.5
	1877	3.66	4.87	4.54	5.29	3,70	3.29	3.17	2.71	3.42	2.93	3.20	3.60	3,1
	1878	3.50	8.74	5.00	4.68	4.37	8.97	3.17	2.10	2.32	2.23	2.71	8.17	4.5
v. for	7 years	3 76	4.87	4.97	4.83	3,94	3.72	2.98	2 39	2.65	2.67	3.49	3.99	4.5
	1872	4.24	5.44	6.00	5.71	5.30	3.84	3.23	2.28	.99	1.86	3.18	6.17	6.8
	1873	4.63	6,32	5.93	5.80	4.27	4.59	2,66	3.06	2.65	4.27	4.69	5.47	5.8
	1874	3,99	6,39	6 10	6.00	6.60	4.90	2.34	1.50	1.10	1.20	8.01	4.50	4.2
ight.	1875	5.04	5.93	6.57	6.19	8.96	4.03	3.66	3.22	3.70	3.68	6.20	6.60	6.7
	1876	4.11	6.90	7.27	7.00	5.53	4.13	2.27	1.58	1.26	1.73	3.48	3.33	4.8
	1877	8,33	5.03	4.14	6,06	4,27	2.94	2.90	1.77	1.08	1.53	3.19	3.78	8.3
	1878	8.42	4,48	5.33	4.94	4.53	4 10	3,00	1.74	1.52	1.60	1.97	3.14	4.7
Av. for	7 years	4.11	5.78	5.91	5.96	4 93	4.08	2.87	2.16	1.75	2.27	3,67	4.71	5,2

#### CORRELATION OF CONSUMPTION AND PNEUMONIA.

In Tables XXII. and XXIII., consumption and pneumonia are studied together, by sex,—in the former by months, in the latter by periods of age. In Table XXII. it may be seen that in eleven months of the year there was an excess of deaths of females from consumption and of males from pneumonia. Opposite conditions seem often to exist in connection with these two diseases, as may be seen by studying the tables and exhibits concerning them in this Report.

'FABLE XXII.—Correlation of Consumption and Preumonia.—Deaths from Consumption and Preumonia Returned as having occurred in Michigan during the Year 1878, by Months, Exhibiting the Total Number, Number of each Sex, Per Cent. of Total, and Excess of each Sex.

			20	CONSUMPTION, 1878.	SI 'NOI	20					F	PREUMONIA, 1878.	IIA, 1878.			
		Number.		01 1111	Per Cen	Per Cent. of each Sex to Total of both Sexes.	Sex to ?	Fotal of		Number.		or fin	Per Cent	Per Cent, of each Sex to Total of both Sexes.	Sex to 1	Fotal of
1878,	-	Fe-		olo.ta old di Troi	-	Pe	Excess	ess.		Fee	-			Fc.	Excess.	css.
	Maigs.	males.	Total.	Per Ce In eac Total	Males.	males.	Males.	Fe- males.	Males.	males.	Total	Per Ce In end Total	Males.	males,	Males.	Fe-
	729	913	1,641	100.00	44.42	55.58		11.16	275	187	461	100.00	59.55	40.48	19,01	
	36	55	16	5.55	39,56	60.44		20,88	25	111	36	7.79	69.44	30.58	38,88	-
	25	63	117	7.18	46.15	58 85	2	7.70	15	16	87	8.01	56,76	43.24	13.52	
***************************************	65	74	139	8.17	46.76	53,24	0	6.48	36	23	69	12,77	61.02	88,98	22.04	
	73	100	173	10.54	42.20	57.80	a	15.60	30	16	75	11.60	55.56	44.44	11.12	
	99	69	134	8,17	48.51	67'19		2.98	15	13	37	8.01	64.88	35.14	29.72	
	99	10	120	7.81	46.67	53.33		99'9	18	12	30	6.49	60.00	40.00	20.00	9.
***************************************	61	83	b 114	8.73	42.36	57.64		15.28	10	10	b 15	3.25	19:90	33.33	33.34	0
	19	22	b 142	8.65	45.07	54.93		9.86	1	12	b 19	4.11	36.84	63.16	*********	26,32
	99	77	b 143	8.71	46,15	58 85		7.70	14	00	b 92	4.76	63.64	38.36	27.98	*
	55	88	b 144	8.78	38, 19	61.81		23.62	05	15	b 85	7.68	57.14	42.86	14.28	
************	29	14	141	8.50	47.52	52.48		4.96	31	500	53	11,47	58,49	41.51	16,98	
	69	220	149	80.6	41.30	55.70	0	11.40	30	96	65	14.07	60.00	40.00	20,00	0
	1	90	7	12.	52 00	75.00		20.00		*********				***************************************	-	-
***************************************	29'09	75.75	136.42	8.33	44.62	55.55	-	The same of	92.92	15.58	38.50	8 22	00 09	40.80		

a in unknown month.

Ingo number of dashis from Consumption, and more than the average number from Pneumonia, and vice versa,
elve months in which there was an excess of deaths of one sex from consumption and of the opposite sex from pneumonia.

II.—Correlation of Consumption and Preumonia.—Exhibiting the Number and Per Cent. of Deaths, the difference between the Sexes, and the Per Cent. of Total Deaths at each Period of Age from Consumption ionia, in Michigan, during the Year 1878.

			CON	CONSUMPTION, 1878.	ION, I	878.	-	- 1			PNI	PNEUMONIA, 1878.	IA, 187	18.		
FERIODS OF		NUMBER.		01 95	PER	CENT. OF	PER CENT, OF THE SEXES.	XES.		NUMBER,		ot to IIA	PER C	PER CENT. OF THE SEXES.	THE SE	XXX
YEARS, 1878.	Malca	Fe-	Total	t. of Do	Malas	Fe.	Exc	Excres.		Fe.		ob Ag	1	To a	Excess.	E SS.
		males.		10 In	'aprara'	males.	Males.	Fe- males	Males.	males.	Total.	Per Ci at ea Deatl	Males.	males.	Males.	Fo.
All Ages, 1878	729	913	1,641	100.00	41.42	55.38		11.16	275	187	462	100.00	59.62	40.48	19.04	1:
Under 5	a 37	38	b 75	b 4.57	49.83	20.67	1	1.34	a 118	18	b 202	5 43.79	58.43	41.58	16.84	1
0 to 10	80	8	16	76.	20.00	50.00		-	8	00	12	2.60	75.00	25.00	20.00	
10 to 13	00 5	200		2 50	19,51	80.49		60.98	+	60	7	1.52	57.14	42.86	14.28	
20 to 25	550	143	b 139	8.17	23.74	76.26		52.52	10	*	b 14	b 3.03	71.43	28.57	42,86	-
25 to 30	n 78	138		b 13 16	36.10	62.80		23.80	0 10	9 -	b 16	b 3.46	62.50	37.50	25,00	1
30 to 35	a 58	98	b 156	6 9.51	87.18	62.82		25.64	9 4	- 10	0 10	b 2.38	50.91	50.09	81.82	1
35 to 40	09 w	11	b 131	b 7.93	45.80	54.20		8.40	00	00	6 11	28.6 4	72.73	27.97	45.46	1
40 to 45	* 54	53	6 107	b 6.52	50.47	49.53	10.	*****	* 4	=	b 15	b 8.25	26.67	73.33		46.66
45 to 50	* 50	53	b 103	b 6.28	45.51	51.46	*********	2.92	. 12	9	b 18	₽ 3.90	66,67	33,33	33.84	-
00 00 00	. 45	9	82	5,18	62.94	47.06	5.83		* 13	6	55	4.76	59.09	40.91	18.18	
00 00 00	* 55	70	87	02.2	60.93	89.08	21.84		n 13	10	52	5.41	52,00	48.00	4.00	
00 to 00	20	50		4.26	71.43	98,57	42.86	*********	16	6	22	5.41	64.00	36.00	28,00	- ;
00 to 10	* 39		1 63	18'S q	06.10	38,10	23,80	***************************************	a 20	H	b 31	b 6.71	64.53	35.48	29.04	3
(0.00 /0.000	00	17	20	3.02	66.00	34.00	32.00	0	1	9	13	2.81	53,85	46.15	7.70	_
08 01 07	20	11	25	1.89	64.52	35,48	29,04		*	7	11	2,38	36,36	63.64		27.28
80 and over	6	11	50	1.99	45.00	22,00		10.00	50	20	13	2.81	61.64	38.46	23.08	-
Unknown	9	77	50	1.99	30.00	20.00	***************************************	40,00	85	1	*	18,	75.00	25.00	20.00	- 1
Averaged	42.53	52,83	95,35	5.81	48,32	51.68	-		16.00	10.01	10 10	F 83	60 17	80 83		

\* More than an average number of deaths of males from Consumption, and less than the average number of deaths of males from Preumonia, and vice versa.

\* More than an average number and per cent, of deaths from Consumption and less than an average number and per cent, of deaths from Preumonia, and vice versa.

\* More than an average proportion of males from Consumption and less than an average proportion of males from Preumonia, versa.

\* Of 17 periods of 5 years each, unknown ages excluded.

TABLE XXIV.—Exhibiting, for the State and Eleven Geographical Divisions in 1878, by Sex, the Number of Deaths Returned as having occurred from All Causes, from Consumption, Pneumonia, Typhoid Fever, Intermittent Fever, and Diarrhea; also, the Per Cent. of Deaths from Consumption, Pneumonia, Typhoid Fever, Intermittent Fever, and Diarrhea, to Deaths from All Causes.

STATE				UMP- ON.	PNEU	EONIA.	Typ	HOID /ER.	TE	RMIT- NT VER.	DIAM	RH LA.
AND GEOGRAPHICAL DIVISIONS. •	SEX.	All Causes, 1878.	Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cont. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.
(	Total	12,766	1,641	12.85	462	3.62	320	2,58	47	.37	173	1.30
	Males	6,632	729	10.99	275	4.15	176	2.65	24	.36	91	1.37
}\$TATEb{ ا	Females.	6,082	912	15.00	187	3.07	153	2.52	23	.33	82	1.84
Į.	Unk'n	52										
	Total	700	55	7.76	25	8.53	24	3.39			7	.99
	Males	414	33	7.97	16	3.56	17	4.11			8	.75
Upper-peninsular	Females.	291	22	7.56	9	3 09	7	2.41			4	1.37
l	Unk'n	4	<b></b>	<b> </b> -								
(	Total	308	39	12.68	8	2.60	10	3.25			11	3.57
	Males	159	17	10,69	4	2.52	2	1.26			4	2.51
North-western	Females.	148	22	14.86	4	2.70	8	5.41			7	4.71
ί	Unk'n	1					ļ					
!	Total	228	16	7.08	7	3.10	3	1.33	1	.44	1	.41
	Males	118	11	9.32	3	2.54	1	.85			1	.85
Northern	Females.	107	5	4.67	4	3.74	2	1.87	1	.93		
į	Unk'n	1										
{	Total	163	22	13.50	5	3.07	4	2.45			8	4.91
North-castern	Males	93	9	9.68	3	3.23	4	4.30			6	6.45
NOTCH CASCOM	Females.	69	13	18.84	2	2.90	ļ				2	2.90
į	Unk'n	1										
. 1	Total	1,306	180	13.78	33	2.53	27	2.07	4	.31	12	.93
Western	Males	656	76	11.59	19	2,90	14	2.13	1	.15	9	1.87
, Catcin	Females.	645	104	16,12	14	2.17	13	2.02	3	.47	8	.47
į	Unk'n	5		·····								
!	Total	233	13	5.58	12	5.15	9	3.86	1	.43	4	1.72
	Males	119	6	5.04	8	6.72	3	2.52	1	.84		
			i	1	1 .	1			I			2.54
Northern-central	Females.	113	7	6.19	4	8,54	6	5,31		•••••	4	207

<sup>•</sup> For counties included in each Division, see page 162.
• For counties and townships from which no returns of deaths for 1878 were received, see Exhibit II, page 136; for those in which no deaths occurred, see Exhibit I, page 150.

## TABLE XXIV.—CONTINUED.

			Cons	UMP- ON.	PREU	MONIA.	TYP FE	HOID ER.	TE	BMIT- NT VER.	DIAB	RH EA.
GEOGRAPHICAL DIVISIONS •	SEX.	All Causes, 1878.	Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.
9	Total	1,656	217	13.10	59	3.56	29	1.75	9	.51	18	1.09
D	Males	876	91	10.39	36	4.11	14	1,60	6	.68	13	1.48
Bay and Eastern {	Females.	776	126	16.24	23	2.96	15	1.93	3	.39	5	.64
į	Unk'n	4	<b></b> -					••				
(	Total	1,990	271	12.62	79	8.97	62	3.12	11	.55	10	.50
Central	Males	970	105	10.82	49	5.05	32	3.30	3	.81	6	.62
	Females.	1,017	166	16.32	30	2.95	30	2.95	8	.79	4	.89
į	Unk'n	3									ļ	
{	Total	1,062	123	11.58	49	4.61	30	2.82	4	.38	•	
South-western	Males	551	58	10.53	28	5.08	19	3.45	3	.54		
	Females.	507	63	12,82	21	4.14	11	2.17	1	.20		
į	Unk'n	4										<b></b>
ĺ	Total	2,241	316	14.09	84	3.74	74	3.80	6	.27	17	.76
Southern-central	Males	1,160	132	11.38	51	4.40	36	8.10	4	.34	7	.60
Council Council	Females.	1,077	184	17.08	33	3,06	38	3.53	2	. 19	10	.93
į	Unk'n	7							•••••			
!	Total	2,869	389	13.56	101	3.52	57	1.99	11	.88	85	2.96
South-castern	Males	1,516	191	12.60	59	3.83	34	2.24	6	.40	42	2.77
Pode II. Canada Managara	Females.	1,832	198	14.86	43	3.23	23	1.78	5	.38	43	8.28
i	Unk'a	21										

<sup>.</sup> For counties included in each Division, see page 162.

36-1878.

TABLE XXV.—CONTINUED.

1878.   Of Deaths   Deaths   From All Causes   Deaths   Causes   Deaths	Per Cent. to of Deaths 'a. from All Causes.  1 3.94 5 5.95 3 1.32 1 1.64 4 19.05 4 1.29 4 2.02
Mackinaca         15         6         40.00 <th< th=""><th>5 5,95 3 1.32 1 1.64 4 19.05 4 1.29</th></th<>	5 5,95 3 1.32 1 1.64 4 19.05 4 1.29
Macomb         279         41         14.70         8         2.87         7         2.51         1         36           Manistee         84         11         13.10         4         4.76         1         1.19            Manitou         6         1         16.67 <t< td=""><td>5   5,95 3   1.32 1   1.64 4   19.05 4   1.29</td></t<>	5   5,95 3   1.32 1   1.64 4   19.05 4   1.29
Manistee         84         11         13.10         4         4.76         1         1.19            Maniton         6         1         16.67  <	5   5,95 3   1.32 1   1.64 4   19.05 4   1.29
Manitou         6         1         16,67 </td <td>3 1.32 1 1.64 4 19.05 4 1.29</td>	3 1.32 1 1.64 4 19.05 4 1.29
Marquette.       227       15       6.61       6       2.64       4       1.76          Mason	1 1.64 1 19.05 4 1.29
Mason         61         14         92,95         1         1.64         1	1 1.64 1 19.05 4 1.29
Mecosta       73       4       5.48       5       6.85       3       4.11   .	4 19.05 4 1.29
Menominees       9        1       11.11         1       11.11           1       11.11	1.29
Midland       52       6       11,54       2       3,85       1       1,92          Missaukee       21       2       9,52        1       4,76          Monroe       310       25       8,06       10       3,23       7       2,26       3      97         Montcalm       198       32       16,16       2       1.01       9       4,55       2       1.01         Muskegon       A       171       22       12,87       3       1.75       3       1.75	1.29
Missaukee.       21       2       9.52       1       4.76          Monroe.       310       25       8.06       10       3.23       7       2.26       3      97         Montcalm.       198       32       16.16       2       1.01       9       4.55       2       1.01         Muskegon.a       171       22       12.87       3       1.75       3       1.75            Newaygo.       78       10       12.82       5       6.41       4       5.13  .	1.29
Monroe       310       25       8.06       10       8.23       7       2.26       3       .97         Montcalm       198       32       16.16       2       1.01       9       4.35       2       1.01         Muskegon       a       171       22       12.87       3       1.75       3       1.75	1.29
Montcalm       198       32       16.16       2       1.01       9       4.55       2       1.01         Muskogon.a       171       22       12.87       3       1.75       3       1.75	
Muskegon a     171     22     12.87     3     1.75     3     1.75         Newaygo     78     10     12.82     5     6.41     4     5.13         Oakland     331     39     11.78     16     4.83     12     3.63         Oceana     76     19     25.00     2     2.63      1     1.32        Ogemaw     6                Ontonagon     33     3     9.09     3     9.09	9.02
Newaygo     78     10     12 82     5     6,41     4     5,13	
Oakland         331         39         11.78         16         4.83         12         3.63             Oceana         76         19         25.00         2         2.63          1         1.32            Ogemaw         6  <	
Oceana     76     19     25.00     2     2.63     1     1.32        Ogemaw     6 <td></td>	
Ogemaw       6	
Ontonagon.     33     3     9.09     3     9.09	
Osceola     89     7     7,87	
Otsego     2       Ottawa     249       28     11.24       8     3.21       5     2.01       1     .40   Presque Isle	
Ottawa         249         28         11.24         8         3.21         5         2.01         1         .40           Presque Isle         26         3         11.54	1,12
Presque Isle 26 3 11.54	
	1.61
Roscommon 6	
Saginaw 524 81 15.46 18 8.44 9 1.72 2 .38	.95
Sanilac 135 18 13.83 3 2.22 1 .74 1 .74	1.48
Schoolcrafta 4	.
Shiawasece   137   20   14.60   13   9.40   5   3.65   1   .78	
St. Clair	.94
St. Joseph 204 25 12,25 9 4.41 8 3.92 2 .98	.49
Tuscola 150 24 16,00 6 4.00 5 2.33	2.00
Van Buren 248 39 15.73 10 4.03 8 3.23 2 .81	
Washtenaw. 330 45 13.64 12 3.64 10 3.03	.61
Wayne 1,949 284 14.57 67 3.44 31 1.59 7 .36 7	3,59
Wexford 86 8 9.30 2 2.33	1.16

a Except townships not represented by returns of deaths in 1878, see Exhibit H, page 188.

TABLE XXVI.—Exhibiting, for the State and Eleven Geographical Divisions of Michigan, by Sex, the Number of Deuths Returned as having occurred at All Ages, from Old Age, of All Aged 70 and Over, and of All Aged Under 5; also the Per Cent. of Deaths from Old Age, of All Aged 70 and Over, and of All Aged Under 5, to Deaths at All Ages for the Year 1878.

			Ori	AGE.		D 70 AND VER.	AGED	Inder 5.
STATE AND GEOGRAPHICAL DIVISIONS.*	SEX.	Deaths at All Ages, 1878.	Number of Deaths.	Per Cent. to Deaths at All Ages, by Geo- graphical Divisions.	Number of Deaths.	Per Cent. to Deaths at All Ages, by Geo- graphical Divisions,	Number of Deaths.	Per Cent. to Deaths at All Ages, by Geo- graphical Divisions.
	Total	12,768	579	4.54	1,373	10.76	5,007	39.2
	Males	6,633	281	4,24	750	11.31	2,698	40.6
STATEb	Females	6,082	298	4.90	623	10.24	2,260	37.1
	Unknown	52			•••••	*********	49	94.2
	[Total	709	10	1.41	16	2.26	417	58.8
	Males	414	5	1.21	6	1.45	235	56,7
C pper-peninsular	Females	291	5	1.72	10	3.44	178	61.1
	Unknown	4					4	100.0
	[ Total	308	9	2,92	20	6,49	142	46.10
	Malcs	159	3	1.89	7	4.40	76	47.9
North-western	Females	148	6	4.05	12	8.78	65	43.9
	Unknown	1					1	100.00
	Total	226	5	2.21	12	5.31	113	50.0
Northern	Males	118	4	3.39	8	6,78	62	52.5
Morthern	Females	107	1	.93	4	3.74	50	46.7
	Unknown	1	ļ		••••		1	100,00
	[Total	163		<b></b>	3	1.84	85	52.12
North-eastern	Males	93			<b></b>		49	52.60
Moren Castern	Females	<b>G</b> 9			3	4.35	35	50.75
	Unknown	1			•••••		1	100,00
	Total	1,306	49	3.75	106	8.12	551	42.19
Western	Males	656	23	3.51	66	10.06	286	43.60
W COLUIN	Females	645	26	4.03	40	6.20	260	40.31
	Unknown	5		[			5	100.00

<sup>\*</sup> For counties included in each Division, see page 182.

b For counties and townships from which no returns of deaths in 1878 were received, see Exhibit II, page 136; for those in which no deaths occurred, see Exhibit I, page 150.

## CAUSES OF DEATH,—OLD AGE, ETC.

## TABLE XXVI.—CONTINUED.

		1	Ori	AGE.		O 70 AND VER.	AGED	UNDER 5.
GEOGRAPHICAL DIVISIONS.*	SEX.	Deaths at All Ages, 1878.	Number of Deaths.	Per Cent. to Deaths at All Ages, by Geo- graphical Divisions.	Number of Deaths.	Per Cent. to Deaths at All Ages, by Geo- graphical Divisions.	Number of Deaths.	Per Cent. to Deaths at All Ages, by Geo- graphical Divisions.
	Total	233	6	2.58	s	3,43	115	49,30
Wanth and and sail	Males	119	2	1.68	3	2.52	61	51.26
Northern-central	Females	113	4	8.54	5	4.42	53	46,90
	Unknown	1					1	100.00
	Total	1,656	70	4.23	123	7.43	742	44.8
ALLEY WOOD	Males	876	33	3.77	70	7.99	408	46,58
Bay and Eastern	Females	776	37	4.77	53	6,83	331	42.65
	Unknown	4					8	75.00
	Total	1,990	84	4.22	227	11.41	732	36.78
Ten ton 1	Males	970	84	3.51	124	12,78	386	39,79
Central	Females	1,017	50	4.92	103	10,13	343	33 78
	Unknown	3		***********			3	100,00
	Total	1,062	41	3,86	133	12.52	367	34,56
17-42	Males	551	23	4.17	76	13.79	191	34.66
South-western	Females	507	18	3,55	57	11.24	172	33,93
	Unknown	4					4	100,00
	Total	2,244	148	6.60	407	18.14	573	25.53
A TOTAL CELLS	Males	1,160	70	6.03	214	18.45	317	27.32
Southern-central	Females	1,077	78	7.24	193	17.92	249	23,12
	Unknown	7					7	100.00
	Total	2,869	157 *	5.47	318	11.08	1,170	40.78
	Males	1,516	84	5,54	176	11.61	627	41.36
South-eastern	Females	1,332	73	5.48	142	10.66	524	39,34
	Unknown	21					19	90,48

<sup>•</sup> For counties included in each Division, see page 162.

TABLE XXVII.—Exhibiting, for the State and Counties of Michigan, the Number of Deaths Returned as having occurred at All Ages, from Old Age, of All Aged 70 and Over, and of All Aged Under 5, in 1878; also the Per Cent. of Deaths from Old Age, of All Aged 70 and Over, and of All Aged under 5 to Deaths at All Ages.

	ALL AGES.	OLD	Age.	AGED 70	AND OVER.	AGED 1	UNDER 5.
STATE AND COUNTIES.	Number of Deaths.	Number of Deaths.	Per Ct. to Deaths at All Ages.	Number of Deaths.	Per Ct. to Deaths at All Ages.	Number of Deaths.	Per Ct. to Death at All Ages
STATE	12,766	579	4.54	1,373	10.76	5,007	39,2
Alcona	19					8	42.1
Allegan	278	13	4.68	81	11.15	96	34.5
Alpena	60			1	1.67	38	63.3
Antrima	33			3	9.09	10	30,3
Baraga	23					14	60.8
Barry	139	5	3.60	14	10,07	49	35,5
Bay	247	8	3.24	11	4.45	135	54.0
Benzie	13			1	7,69	6	46.1
Berrien	313	8	2.56	35	11.18	115	36.7
Branch	204	4	1.96	33	16.18	47	23.0
Calhoun	260	19	7.31	48	18.46	59	22.0
Jass	203	10	4.48	29	13.00	83	37.5
harlevolx	32	2	6.25	2	6.25	14	43.
heboygan	71	1	1.41	4	5.63	34	47.5
Chippewaa	41	4	9.76	8	7,82	20	48
Clare	20					13	65.0
linton	247	10	4.05	30	12.15	93	37.6
rawford	4					4	100,0
Pelta	42					16	38,1
aton	273	9	3.30	25	9.23	94	34.4
Immet	66	2	3.03	3	4.55	38	57.5
enesee	306	24	7.84	45	14.71	105	34.5
ladwin	7			1	14.29	3	42.8
rand Traverse	49	4	8.16	5	10.20	18	36.7
iratiot	111	3	2.70	5	4,50	54	48.6
Lillsdale	288	18	6.25	48	16.67	65	22.5
Ioughton	263	1	.38	3	1.14	170	64.6
Inron	101	. 4	3,96	9	8.91	47	46.5
ngham	193	8	4.15	18	9,32	78	40.4
onin	230	5	2.17	24	10,43	85	36.9
08CO	52			1	1.92	28	53.8
	75	1	1.33	1	1.03	41	566
sabellasle Royalb	10	10000000	1.00	-	1.00	- 41	U.S.
ackson	347	16	*******	58	10,14	110	81,0
alamazoo	281	19		431	15.74	100	
alkaska	18	10		-	1074	-	95.1
	560	23			10.10		-
Cent	52	20					
Ceweenaw	92						

<sup>\*</sup> Except townships not represented !
b No returns from county clerk to Str

Lapeer.....

# TABLE XXVII.—CONTINUED.

A record	ALL AGES.	OLD	Age.	Agen 70	AND OVER,	AGED U	INDER 5.
COUNTIES.	Number of Deaths.	Number of Deaths.	Per Ct. to Deaths at All Ages.	Number of Deaths.	Per Ct. to Deaths at All Ages.	Number of Deaths.	Per Ct. to Deaths at All Ages.
Leelanaw	49	1	2.04	8	16,33	15	30.6
Lenawee	330	26	7.88	76	23.03	88	26.67
Livingston	156	7	4.49	20	18,50	44	28,2
Mackinac	15	1	6.67	1	6,67	2	13.3
Macomb	279	19	6.81	53	19,00	82	29.3
Manistee	84	1	1.19	4	4,76	49	58,3
Manitou	6	2	33,33	1	16.67	3	50.00
Marquette	227	1	.44	3	1.32	136	59,9
Mason	61	1	1.64	2	3.28	23	37.7
Mecosta	73	4	5.48	4	5.48	33	43.8
Menominee	9			200000		6	66.G
Midland	52	1	1.92	0	3.85	25	48.0
Missaukee	21			· · · · · · · · · · · · · · · · · · ·	0,00	12	57.1
Monroe	310	15	4.84	43	13.87	129	41.6
Montcalm	198	9	4.55	16	9,60	91	45.9
Muskegon	171	1	.58	5	2.92	80	46.7
Newaygo	78	3	3.85	7	8,97	34	43.50
Oakland	331	02	6,65	60	18.13	78	23.5
Oceana	76	3	3,95	6	7.89	27	35.5
Ogemaw	6	0	0,00	1	16.67	9	33,3
Ontonagon	83	*********		1	3.03	14	42,4
Osceola	89	2	2,25	3	3.37	52	58.4
Otsego	9		2.50		0.01	2	100.0
Ottawa	949	16	6,43	26	10.44	112	44,9
Presque Isle	26	***	22.50			9	34.6
toscommon	6		***********	*********	*********	1	16.6
Siginaw	524	00	4.39	31	5,92	228	43,5
Sanilac	0.700	23	10070011	8	1		
choolcraft	135	6	25,00		5.93	61	47.4
hiawassee	4	1	1	1	25,00	3	75.0
t. Clair	137	4	2,92	18	13.14	39	28.4
t. Joseph	310	16	5.02	34	10.66	131	41,0
uscola	201	9	4.41	30	14.71	49	24.0
an Buren	150	5	3.33	13	8.67	60	40.0
Tushtannay	248	10	4,03	38	15.32	73	29.4
fashtennw	330	87	11.21	73	22, 12	87	26,3
ayne	1,949	101	5.18	162	8.31	881	45.20
exford	86	1	1.18	1	1.16	39	45.33

<sup>·</sup> Facest townships not represented by returns of deaths, see Exhibit H, page 136.

ABLE XXVIII.—Consumption.—Exhibiting, for the Year and Months, by Sex, The Conjugal Condition, Occupation, and Age in Periods of Years of All Persons Returned as having Died from Consumption in Michigan during the Year ending December 31, 1878.

	Unknown.	50	61	20	-	-	=	6	24		99		92	-	-		e tro	-	-	-10
	S0 and over.	50	00	01	10	1	=	04	- 1	6	-1	6	9	24	-	- 1	00	64	-	0
	1 75 to 80.	120	=	00	62	-	=	00	-	9	-	50	=	01	2	;	D4	-	T	-
<b>.:</b>	1 70 to 75.	20	25	10	=	•	17	0	-	-	1	22	7	-	4	-	01	61	1	
378	.07 01 60	23	60	00	60	01	6	=	1	133	;	88	38	50	00	01	*	64	-	3
7	,69 to 65.	20	55	-	123	7	8	55	-1	7	- 1	20	5	-	9	-	6.2	64		-
	.00 01 65	87	20	60	13	-	20	27	-		1	55	13	0+	1-	-	9	00	-	G.
4	, 66 or ud	- 53	89	-	-	63	9	8	01	7	00	\$	9	0	1	-	00	10	-:	-01
YEARS,-1878.	45 to 50.	103	91	60		04	53	\$	04	0		20	4		-		20		1	
0	40 to 42.	107	86	15	23	20	53	4.3	9		20	2	3	0	04	1	22	30	9	
0 0	32 to 40.	25	101	81	9	24	2	20	10	5	CH	60	47	12	-	1	13	*	9	01
PERIODS	30 to 35.	156	103	36	=	9	8	13	13	2	-	25	8	54	*	10	19	=	9	-
	20 to 30.	216	136	13	*	-	133	100	5	4	ı	78	38	7	1	-	25	13	10	22
N I N	20 to 25.	231	81	142	00	10	143	20	67	00	60	2	=	13	1	C4	33	-	15	
AGKS	15 to 20.	130	=	611	-	9	106	13	90	1	00	8	-	8	-1	60	36	.04	8	
<	10 to 15.	7	1	9	1	-	55	;	62 62 60		н	90	1	00	†	:	115	;	=	
	.01 01 6	75 16	_	75 16	- 1	-	88	:	38	1	1	37	-	37.	1	÷	1		:	2
	Tuder 5.	14	1	-	- 1	_	65	•	63	•	-1	62	•	. 60	,		•	*	-4	_
	SEX AND OCCUPATION.		TOTAL DEATHS	FROK	CONSUMPTION.		- ــــــــــــــــــــــــــــــــــــ		FEMALES.					YALES.				Occupation	Unknown,	Total.
	CONJUGAL	1,'41 Total	Married	570 Single	123 Widowed.	30 Unknown.	912 Total	501 Married	309 Single	81 Widowed.	21 Unknown.	729 Total	408 Married	261 Single	42 Widowed .	18 Unknown.	219 Total	78 Married	104 Single	18 Widowod.
	YEAR, 1879.	1.2	8	270	អ	S	915	20	808	8	2	81	\$	88	Ç	84	615	22	70	ž
	Unknown.	7	91	-4	1	-	00	01	- 1	1	-	-	- X	1	-	1	:	1	T.	
	December.	149	85	122	10	-	83	64	23	9	-	99	36	3	13	1	19	6	6	-
	November.	111	52	53	13	01	74	40	23	0	1	67	55	88	*	04	24	10	-	7
	Осторок	141	8	8	10	-	8	25	55	9	- 1	50	8	17	*	-	5	6	11	
	September.	143	67	99	13	25	11	75	65	10	C)	99	60	65	60	1	17	7	9	40
1878	August.	142	25	3	0	9	5	33	8	7	01	13	22	8	01	*	13	*	13	-04
	· Ang.	144	83	48	Ξ	04	20	45	30	1	-	61	65	18	*	1	Ĉ.	10	10	
H L	1 game																		~	_
M o M	May.	134	87	8	9	CI										1			7	
	April	60	88	23	18	*	100	62	23	21	00	73			9		36	10	53	
	March.	139	20	H	16	9	7	35	25	12	60	65				20		9		82
		_	-	10	-	00	65	-	=	00		15	20	45	-	-	16	10	00	
	Vebruary.						9	03	Q.							04				_

1 00 -									-	0.5													
	-	-	C-1	01	1	-	-	- 1.	53	00	01	7	04	7	10	-	+	-	9	20	-	-	-
		10	-	G4	_		-	:	9 12	9	00	10	:	0 0	03		7	1	2	2 1	-	7	1
	- :	-	1	-	-	1	1	1	48 29	13	NC:	11 12	-		30	-	-	-	32 20	- 60	-	-	-
- 01 0		-	1	04	1	-		-	59 4	35 31	01	17	-	22 16	6	1	123	1		26 23	24	.00	-
17	: :	H	1	01	01	-	-	:	67 5	533	-	01	-	61	- 62	-	6 1	-	18 37	40.2	-	10	-
- C4 -	- :	-	-	95	63	-	=	1	81	67	01	=	+	25	98	-	10	-	69	3	H	9	-
- 0 0	74 ;	01	-	20	60	- 1	1	1	77	63	1-	10	01	53	98	01	10	91	51	37	0	1	1
- 0 -	- :	-	1	60	01	-	1	-	92	85	03	9	-	48	10	G4	10	-	17	45	7	-	1
-	1	-	-	_	-		1.		-	-	_	_			_		_	-	_	_	_		1
- = -	0 4	1	-		C.	C.	1		92	78	6	00	04	42	37	0.9	-	G.	20	7	7	21	
	10 10	01	-	9	04	4	1	1	118	97	16	4	-	19	52	00	60	-	21	45	80	1	T
1 11 01	0 0	-	-	6.5	1	-	1	1	137	99	30	10	10	8	65	10	9	1	96	27	20	7	10
1 8 5	7	60	1	90	7	20	1	-	183	117	99	-	1	113	200	27	1	1	20	35	28	1	T
8 cs	- =	1	01	=	1	10		-	200	74	121	90	CI	123	633	26	60	-	11	=	65	1	-
9 00 -	56	1	00	9	-	01	1	200	103	12	91	i	1	76	12	19	1	1	27	1	27	-	1
1 01	: 6	1	-	10	:	2	1	1	56	1	56	1	:	23		23	-	1	00	:	00	-	÷
; 0	: 0	1	-	00	1	00	1	:	-	1	-	1	1	04	1	01	;	1	10	7	10	1.	1
II	: :	-:	-	:	:	:	;	1	12	1	73	;	:	88	1	88	1	;	37	:	37	1	:
11	; ;	- 1	1	;	1	1	1	- 1		- 1		1	1		+		t	+		- 1		- ;	-
				-	_				-					-	_			-	-	=		-	-
and de de de de de de de de de de de de de	Unknown,	Females.			Occupations	Unknown,	Males.			All Specified	Occupations,	Total.		Crosified	Ocementions	Pomorios	Clase VII	iaes Ail.)	Specified	pamoade	Malae	Classos L-XL	
ę	3 =	-			00	D				V	Oc			u	2 6	3 "	, 6	2	d	2 2	5	200	3
				-					-		-1-		-	-				-	_			_ =	_
2 1	: :	4	-	:	:	:	1	2	1	-	1	1	-	-	-	-	-	-	-	2	-	1	2
14	: :														1.61	- 1	-	-	- 2				
	Ď 1	ve	ALC:	-	pq.	1	ved	IMC	1	pq.	1	ved	WI	1	po	1	ved.	N.D	1	ad.	1	ved	UMO
kno inl.	gle.	dowe	know	ta1	rried.	glo	dowed	known	lal	rried.	gle	dowed	knowi	tal	rried	gle	dowed.	known	tal	rried.	gle	dowed	known
Unkno Fotal.	Single.	Widowe	Unknow	Total	Married.	Single	Widowed	Unknown	Total	Married.	Single	Widowed	Unknown	Total	Married	Single	Widowed.	Unknown	Total	Married.	Single	Widowed	Unknown
19 Unknown.	71 Single	17 Widowed.	12 Unknown	62 Total	21 Married.	33 Singlo	1 Wldowed.	7 Unknown.	,422 Total	831 Married.	466 Single	105 Widowed	20 Unknown.	755 Total	444 Married	238 Single	64 Widowed	9 Unknown.	667 Total	387 Married.	228 Single	41 Widowed	11 Unknown
111	71 Single.		12 Unknow	62 Total	21 Married.	33 Single	1 Widowed	- 7 Unknown	4 1,422 Total	2 831 Married.	466 Single	1 105 Widowed	1 20 Unknown	3 755 Total	2 444 Married	238 Single		1 9 Unknown	1 667 Total	387 Married.	228 Single	1 41 Widowed	11 Unknown
-	1 1	17				33	- 1 Widowed		7			105		-		22 238 Single	64			387	22 228 Single		11 Unknown
111	1 1	17		1		33	1 Widowed		130 4	01		1 105		00	01	-	64		-	387	-	-	2 11 Unknown
1 1 9 0	1 1 1 m	17		1	-	33	1 Widowed		120 130 4	76 2		1 105		67 3	40 2	81	64		63 1	36 387	- 55	-	1 2 11 Unknown
17 16 1	1 1 1 m	17		4 00	- 67	5 5 5	1 1 Widowed		120 120 130 4	63 76 2		1 105		57 67 3	40 2	20 22	5 4 64		63 63 1	31 36 387	26 22	-	1 2 11 Unknown
18 17 18 19 19 19 19 19 19 19 19 19 19 19 19 19	0 00	17		4 00	- 67	5 5 5	1 1 Widowed		120 130 4	76 63 76 2	31 46 41	1 105		71 57 67 8	41 32 40 2	25 00 55	5 4 64		49 63 63 1	32 31 36 387	12 26 22	4 4 5 3	3 1 2 11 Unknown
13 18 17 16 1	0 00	4 1 4 1 - 17		4 6 4 3-	1 1 2	1 5 2 3 33	1 Widowed		126 120 120 130 4	63 76 63 76 2	31 46 41	1 105	1 1 2 1 1	64 71 57 67 8	31 41 32 40 2	26 22 20 22	6 5 5 4 64	1 1	62 49 63 63 1	32 31 36 387	28 12 26 22	4 4 01	1 2 11
13 18 17 16 1		2 4 1 4 1 17	J 1	4 6 4 3-	4 2 1 1 2	3 1 5 2 3 33		1 1	123 123 126 120 120 130 4	68 63 76 63 76 2	38 43 54 34 46 44	11 7 8 9 9 9 1 105	1 5 1 1 2 1 1	69 65 64 71 57 67 8	39 37 31 41 32 40 2	23 21 26 22 20 22	7 5 6 5 5 4 64	1 1 1 3	54 58 62 49 63 63 1	31 31 32 32 31 36 387	15 22 28 12 26 22	01 01	1 2 11
14 13 13 14 17 16 1	0 00	2 4 1 4 1 17	J 1	4 6 4 3-	4 2 1 1 2	3 3 3 1 5 2 3 33		1 1 1	100 123 128 126 120 130 4	73 68 63 76 63 76 2	36 38 43 54 34 46 44	7 11 7 8 9 9 9 1 105	1 1 5 1 1 2 1 1	57 69 65 64 71 57 67 3	39 37 31 41 32 40 2	17 23 21 26 22 20 22	4 7 5 6 5 5 4 64	1 2 1 1 1	54 58 62 49 63 63 1	30 31 31 32 32 31 36 387	19 15 22 28 12 26 22	01 01	1 2 11
2 11 12 13 18 18 17 16 1	0 0 0	1 2 4 1 4 1 17	1 2 1 1 1	6 4 7 6 4 6 4 3-	4 4	2 3 3 1 1 5 2 3 33		1 1	117 109 123 128 126 120 120 130 4	78 65 73 68 63 76 63 76 2	32 36 38 43 54 34 46 44	6 7 11 7 8 9 9 9 1 105	1 1 2 5 1 1 2 1 1	58 57 69 65 64 71 57 67 3	41 35 39 37 31 44 32 40 2	15 17 23 21 26 22 20 22	2 4 7 5 6 5 5 4 64	1 1 1	59 52 54 58 62 49 63 63 1	37 30 31 31 32 32 31 36 387	17 19 15 22 28 12 26 22	20 01 4 10 10 10 10 10 10 10 10 10 10 10 10 10	1 2 11
1		1 1 2 4 1 4 1 17	1 2 1 1 1	7 6 4 6 4 3	4 4 4 9 1 1 2	2 2 3 3 1 5 2 3 33	I I I	1 1 1	147 117 109 123 128 126 120 120 130 4	65 73 68 63 76 63 76 2	40 32 36 38 43 54 34 46 44	17 6 7 11 7 8 9 9 9 1 105	2 1 1 1 5 1 1 2 1 1	81 58 57 69 65 64 71 57 67 3	46 41 35 39 37 31 44 32 40 2	22 15 17 23 21 26 22 20 22	11 2 4 7 5 6 5 5 4 64	2 1 1 1	06 59 52 54 58 62 49 63 63 1	42 37 30 31 31 32 32 31 36 387	17 19 15 22 28 12 26 22	2 4 5 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	1 2 11
19 11 7 14 13 18 18 17 16	2 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8 1 1 2 4 1 4 1 17	1 1 2 1 1 1	5 7 6 4 7 6 4 6 4 3	1 4 4 4 2 1 1 2	3 2 2 3 3 3 1 5 2 3 33		1 1 1 1	121 147 117 109 123 128 126 120 120 130 4	64 88 78 65 73 68 63 76 63 76 2	41 40 32 36 38 43 54 34 46 44	13 17 6 7 11 7 8 9 9 9 1 105	8 2 1 1 1 5 1 1 2 1 1	61 81 58 57 69 65 64 71 57 67 3	29 46 41 35 39 37 31 44 32 40 2	92 92 15 17 23 21 26 92 20 92	9 11 2 4 7 5 6 5 5 4 64	1 2 1 2 1 1 1	06 59 52 54 58 62 49 63 63 1	35 42 37 30 31 31 32 32 31 36 387	10 18 17 19 15 22 28 12 26 22	2 4 5 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	1   3     1   2     1   11
18 19 11 7 11 13 13 18 17 16 1	1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8 1 1 2 4 1 4 1 17	2 1 1 2 1 1 1	6 5 7 6 4 7 6 4 6 4 3	2 1 4 4 4 2 1 1 2	3 2 2 3 3 3 1 5 2 3 33	I 1 1 1	1 1 1 1 1 1	101 121 147 117 109 123 128 126 120 120 130 4	88 78 65 73 68 63 76 63 76 2	37 41 40 32 36 38 43 54 34 46 44	4 13 17 6 7 11 7 8 9 9 9 1 105	8 2 1 1 1 5 1 1 2 1 1	53 61 81 58 57 69 65 64 71 57 67 8	34 29 46 41 35 39 37 31 41 32 40 2	16 92 92 15 17 23 21 26 92 20 92	3 9 11 2 4 7 5 6 5 5 4 64	1 2 1 11	60 66 59 52 54 58 62 49 63 63 1	26 35 42 37 30 31 31 32 32 31 36 387	21 19 18 17 19 15 22 28 12 26 22	2 4 5 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	1   3     1   2     1   11

1878.
sumplion.
from Const
Deaths 1
NTINUED.
I. 100
TABLE XXVIII.—
TABLE

	Unknown.	64	- ;	-	-	1	1	1	- ;	1	-	=	1	1	- 1	11	- 7	1	- 1	200	.09	-
	. 19 vo and over.	04	94	- 1	J.	1	. (	1	į.	1	ψŧ	.04	1	1	i	_	- 1	- 1	-	-		5
	.08 oz 67	2	0	-1	0	- 1	-	-		À		-	1	1	-	04	G1	1	1	9	- 1	-
	.67 03 07 [	91 /	22	01	9	-	-	-	+	4	-	-	1	- 1	÷	91	01	:	*	61	-	Ü
78	1 65 to 70.	96	22 19	-	20	-	172		н	-	80	64	1	-	1	Ge.	69	3.	- 1	0		53
~	.00 to 65.	61	95	-	01	-1	01	54	:	1	6	9	Ť	7	1	-	-	-	1	*	4	7
-	1 20 to 25.	90	130	-:	-	,	43	Q	-1	1	*	94	01	- è	:	- 1	-1	1	1	9	9	
¥	1 40 to 50.	12	13	- 1	1	1	9	9	1		20	00	:	1	1	1	1	1	1	=		-
YEARS,-1878	-	91	63	-	- 1	-	61	94			-	9	-	1	1	-	-	+	+		-	d
0	40 10 45,			04		1	01	C4	i	1	69	-	-	-	1	00	99	1	1	-	0	-
9 0 0	32 to 40.	17	92		1	1			1	1	-			1	1		_	1	1	_		_
MI	30 to 35.	15	1-	10	01	-	9	90	00	1	90			1	i	04	04	1	1	=		_
P	25 to 30,	100	13	=	1	1	10	-	*		7	1	00	1	1	.0	-	-	1	10	7	9
AGES IN PERIODS	20 to 25.	35	00	15	- 5		115	1.	20	*	00	*	9	1	-	-	1	-	1	9	-	0
AGE	12 to 20.	22	1	138	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	*	1	*
	1 To to 15.	-	÷		- 1	-	-	-	-		-	-	1	T	1	- 1	i	:	1	-	1	=
-	1 5 to 10.	1	1	1	- 1	4	1	1	1		:	1	:	1	-1	-7	- 1	:	1	. :	1	3
	Under 5.	- 1	1	1	1	- 1	1	1	-	1	1	- 1	-	1	-	1	1	1	- 1	1	1	-
_	1	-	•			-	-	-	-	-	-		-	-	-	÷	-	-	÷	÷		
	SEX AND OCCUPATION.	ے.	CLASS I.	Cultivators of	the Earth.		11	Acting Machan	toe A broad		. ـــــ	CLASS III.	Active Mechan	ics in Shops.		-	CLASS IV.	) inactive Mechan	l ten in ruoja	-	Laborers-No	
	CONDITION.	272 Total	Married	Single	Widowed.	Unknown.	ta1	Married	Single	Widowed	a1	rried	Single	Widowed.	Unknown.	Total	Married	Single	Widowed.	Total	Married	Singlo
	ပီ ဥ ၂	õ	ğ	S	×	C.	ي	Ma	Ē	×.	Tot	Ma	Sin	Ĭ.	Cuk	Ţ	Ä	Sin	W	Ţot	M	OC.
		272 To	176 Mg	71 Sin	22 W.	3 Un	35 Total	23 Ma	n Sin	1. W.	48 Total	32 Married.	14 Sin	1 WE	1 Cur	21 Tot	14 Ma	e Sin	1 WIG	95 Tot	57 Ma	#   TE
- 27	YEAR, 1873.	1 272 To	176	7			St. To	Ħ		_	48 Tot	32 Mn	14 Sin	- 1 WE	1 Cnk	21	- 14 Ma		1 WIG	. 95 Tot	57 Ma	<del>s</del> [18
4.7		28 1 272 To		D - 71 Sin			S Lo	23 Ma	=	1 Wie	6 48 Tot		=		Cnk	1 21 Tot	7	9	-	88	57	5   16   5
	Тесетрет.	-	176	1 71	2		-1	<b>3</b> 3	=	_		4	=		Cnk	21	7	9	-	88	57	e   1
4.79	November.   December.   Unknown.	1 88	17 176	1 71	2		-1	<b>3</b> 3	=	_		4	=	1 Wle	1 Cnk	1 21	7	9	-	88	57	6   18   18   18   18   18   18   18   1
	October.   November.   December.   Caknown.	22 28 1	14 17 176	1 71	2		61	<b>3</b> 3	1 1	_	0 1	4	=		1 Cnk	2 1 21	7	9	-	4 95	57	3 1 4 5 318
78.	September.   November.   November.   December.   Unknown.	19 22 28 1	12 14 17 176	4 5 9 71	2		61	<b>3</b> 3	1 1	_	0 1	50			1 Cnk	20 20 21	7	9	-	4 95	57	3 1 4 4 3 318
, 1878.	September. October. November. December. Linknown.	30 19 22 28 1	20 12 14 17 176	4 5 9 71	50 50 1 20		61	77 64 64	1 1	_	** **	50 61			1 Cnk	20 20 21 21	1 1 14	9	-	5 8 4 9 95	57	3 1 4 2 3 3 18
TH 8,	Auly August.   September.   Gotober.   Movember.   Movember.   December.   Linknown.   EAST   Caknown.   Cakno	16 23 30 19 22 28 1	20 12 14 17 176	4 5 9 71	50 50 1 20		61	77 64 64	1 1	_	** **	50 61			1 Cnk	20 20 21 21	1 1 14	9	-	5 6 8 4 9 93	57	3 3 3 1
TH 8,	June. Juny Anguet. September. November. November. December.	23 30 19 22 28 1	1 13 20 12 14 17 176	17 10 4 5 0 71	20 20 20 1 20 20		61	6 9 1 9 9	1 1	_	** **	20 60 #		1 1 WIG	1 Cnk	20 20 21 21	1 1 14	9	-	10 5 5 8 4 9 93	9 6 4 9 6 6 57	3 3 3 3 1 4 5 31
8	June. Juny Auly August. September. October. December. Torknown.	20 16 23 30 19 22 28 1	10 1 13 20 12 14 17 176	17 10 4 5 0 71	20 1 20 20 1 20 1		61 \$ 50	3 6 2 I 2 2 23	1 1	_	** **	80 80 80		1 1 Wid	1 Cak	1 1 9 9 9 9 1 21	1 1 14	9	-	13 10 5 5 8 4 9 95	9 6 4 9 6 6 57	3 3 3 1 4 3
TH 8,	April. June. June. Juny Angyat. September. October. Movember. Movember. Juny Angyat. Movember. M	27 31 20 16 23 30 19 22 28 1	25 10 1 13 20 12 14 17 176	17 10 4 5 0 71	20 1 20 20 1 20 1		01 20 00 1	3 6 2 I 2 2 23	1 1	_	4 4 5 4 8 4 6	60 60 60 60 60 60 60 60 60 60 60 60 60 6	9 9 1	1 1 Wid	1 1 Cak	2 1 1 2 2 2 2 2 1 21	1 1 1 2 1 1 1	9	-	5 13 10 5 5 8 4 9 95	2 0 6 4 2 6 6 57	3 3 3 1 4 3
TH 8,	March.   May.   May.   May.   June.   June.   May.   Maguet.   September.   Motober.	20 27 31 20 16 23 30 19 22 29 1	13 19 25 10 1 13 20 12 14 17 176	4 4 8 4 7 10 4 5 9 71	20 20 20 20 20 20 20 20 20 20 20 20 20 2		0 4 7 0 0 7 4 50 0	1 2 3 6 2 1 2 2 33	1 1		4 4 5 4 8 4 6	60 60 60 60 60 60 60 60 60 60 60 60 60 6	1 1 2 2 2 2			29 29 29 29 29 29 29 29 29 29 29 29 29 2	9 1 1 1 2 1 1 1	9	-	10 5 13 10 5 5 8 4 9 95	2 0 6 4 2 6 6 57	3 3 3 1 4 3
TH 8,	April. June. June. Juny Angyat. September. October. Movember. Movember. Juny Angyat. Movember. M	27 31 20 16 23 30 19 22 28 1	19 25 10 1 13 20 12 14 17 176	4 4 8 4 7 10 4 5 9 71	20 20 20 20 20 20 20 20 20 20 20 20 20 2		0	1 2 3 6 2 1 2 2 33	1 1		1 7 4 4 5 4 8 4 6	60 60 60 60 60 60 60 60 60 60 60 60 60 6	9 9 1			29 29 29 29 29 29 29 29 29 29 29 29 29 2	9 1 1 1 2 1 1 1	9	-	10 5 13 10 5 5 8 4 9 95	2 0 0 2 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0	3 3 3 1 4 3

1 1 1	1	1	31	1	-	1	- 1	T	1	1	1	+	-	2	1	3	1	12	1
	+	1		1	1	_	-3	-	_	1	*	1.	1	_	7	17		1	1
:	_	1	1	.1	. 11	1	:	1	-	2	-	1	-	3	1	V	-	-	-
1 1 1	1	1		-	1	63		7		1	1	1	-	7	-		_	- 1	-
	- 1	1	2	1	i		-	- 1		-1		-	+	+		+	1	1	
	1	:	-	1	-	-	-	1	1	-	QX	-	-	1	7	01	*	-	-
; - ;	7	-	:	-	:	1 2	_	-	_	1		-	-	-	-	-	-		_
		-	1	-	-	_	-	-	1	1	1	-	+	4	_	-		-	1
117		1	1	1	1			1	1	1			1	-			1	1	1
1 1 04	-	1	-	-	1	10	4		1	1	00	00	1	1	1	1	1	1	-
11-		-	1	1	1	=	53	01	1	1	00	00	1	1	-	1	-	1	T
1-1	1	1	1	1	-	0	Q4	10	-	-	-	1	1	1	60	1	-	1	01
	-	-	-	;	1	4	100	-	1	1	G¥.	01	+	1	00	1	60	Ť	T
2 : :	1	;	:	1	1	10	1	10	-	-3	00	1	00	1	+	-	00	-	+
- 1 1	-	1		1	1	01	1	01	1	1	01	1	01	1	*	1	-		1
7	:	1	-	1	- 1	- 1:	1	;	1	1	:	1	4	1	-	1	-	1	1
1 1 1	:	1	1	:	1	1	1	1	1	1	1	-	1	1	0	4	10	1	-
	1	1	:		1	1	1	1	1	-	1	1	:	1	37	1	37	:	1
1 1 1	1	1	-	1	:	1		-	- 1	1	1	-	1	-	-	- 1		1	-
ers Abroad, etc.	CLASS VII.	Seafaring Men.		CLASS VIII.	Soldiers.		VI court	OLASS	Dusiness men.		00. 10	Duofossions	Mon	Men		Or tee Vf	Thomplored	nembu	
o c		Se		0				-	ā			P	4				=	2	
		Ser		0 ~	-	-			4	_	_		_	-	_	_			-
		_	ed_ ]	0 ~	- L	-	1	1	_	vn.	-		-	ed.	-	_		-	vn.
		_	owed_ ]	3 ~	}	I	led	1	_	nown.	J 1		-	owed.	11	_		-	nown.
		_	'Idowed_ ]	0	arried \	otn1]]	arried	1	_	nknown.	otal]		-	[ ] ldowed.	otal)	_		-	nknown.
	Married	Single	Widowed_ ]	o ~	Married }	Total ]	Married	1	Widowed.	Unknown.	Total	Married	Single	Widowed.	Total ]	_		Widowed.	Unknown.
		_	1 Widowed_ ]	0 ~	1 Married \	63 Total	36 Married	22 Single	_	1 Unknown.	19 Total ]		-	I Widowed.	68 Total )	· 6 Married	57 Single	-	4 Unknown.
4 Widowed	3 Married	9 Single	-	0 ~	1		36	22 Single	4 Widowed.	1	?"	12 Married	Single	1		· 6 Married	57 Single	1 Widowed.	
Widowed.	Married	- 9 Single	:	o ~	1 Married (	6 63 Total ]	2 36 Married	1	_	- 1 Unknown.	2 19 Total ]	Married	Single	1 I Widowed.	4 68 Total ]	_		-	1
Widowed.	3 Married	9 Single		0	1	1	2 36	3 22 Single	4 Widowed.	1	1	12 Married	Single	1	4	6 Married	4 57 Single }	1 Widowed.	-
4 Widowed.	3 Married	- 9 Single		5	1	1	36	99 Single	4 Widowed.	1	1	12 Married	Single	1		· 6 Married	57 Single	1 Widowed.	-
1 4 Widowed.	3 Married	1 2 Single	:	0	1	1	2 36	3 22 Single	4 Widowed.	1	1	12 Married	Single	1	4	6 Married	4 57 Single }	1 Widowed.	1
Widowed.	3 Married	- 9 Single		0 {	1	1	2 36	2 8 22 Single	1 4 Widowed.	1	01	1 12 Married	Single	1 1	10 4	2 6 Married	8 4 57 Single }	1 Widowed.	1
1 4 Widowed.	3 Married	1 1 2 Single		0 ~	1	1	62 63	1 2 3 22 Single	1 4 Widowed.	1	01	1 12 Married	Single	1 1	3 10 4	2 6 Married	2 8 4 57 Single }	1 Widowed.	
1 4 Widowed.	3 Married	1 2 Single		0 ~	1	4 6 6	20 00 00	2 1 2 3 22 Single	1 4 Widowed.	1	01	8 8 1 12 Married	Single	1 1	8 3 10 4	2 6 Married	7 2 8 4 57 Single }	1 Widowed.	1
1 4 Widowed.	3 Married	1 1 2 Single		0 ~	1	9 9 4 8	20 20 20 20 20 20 20 20 20 20 20 20 20 2	2 1 2 3 22 Single	1 4 Widowed.	1	01	8 8 1 12 Married	Single	1 1	9 8 3 10 4	2 6 Married	8 7 2 8 4 57 Single }	1 Widowed.	1
1 4 Widowed.	3 Married	1 1 2 Single		0 ~	1	9 9 4 8	20 20 20 20 20 20 20 20 20 20 20 20 20 2	2 1 2 3 22 Single	1 4 Widowed.	1	01	8 8 1 12 Married	Single	1 1	9 8 3 10 4	2 6 Married	8 7 2 8 4 57 Single }	1 Widowed.	1
1 4 Widowed.	3 Married	1 1 2 Single		0 ~	1	9 9 4 8	20 20 20 20 20 20 20 20 20 20 20 20 20 2	2 1 2 3 22 Single	1 4 Widowed.	1	01	8 8 1 12 Married	Single	1 1	9 8 3 10 4	2 6 Married	8 7 2 8 4 57 Single }	1 Widowed.	1
1 4 Widowed.	3 Married	1 1 2 Single		0 ~	1	9 9 4 8	20 20 20 20 20 20 20 20 20 20 20 20 20 2	2 1 2 3 22 Single	1 4 Widowed.	1	01	8 8 1 12 Married	Single	1 1	9 8 3 10 4	2 6 Married	6 4 5 8 7 2 8 4 57 Single	1 Widowed.	1
1 4 Widowed.	3 Married	1 1 2 Single		0	1	9 9 4 8	20 20 20 20 20 20 20 20 20 20 20 20 20 2	2 1 2 3 22 Single	1 4 Widowed.	1	01	8 8 1 12 Married	Single	1 1	9 8 3 10 4	2 6 Married	6 4 5 8 7 2 8 4 57 Single	1 Widowed.	1
1 4 Widowed.	3 Married	1 1 2 Single		0	1	9 9 4 8	20 20 20 20 20 20 20 20 20 20 20 20 20 2	2 1 2 3 22 Single	1 4 Widowed.	1	01	8 8 1 12 Married	Single	1 1	9 8 3 10 4	2 6 Married	6 4 5 8 7 2 8 4 57 Single	1 Widowed.	1

	•
$\sim$	
٠,	•
1070	۰
0	
ч	,
~	4
•	•
	_
	ď
- 2	c
è	ċ
٠.	ď
-	•
-	•
- 5	2
-	7
	š
- 5	•
- 3	r
- 1	=
•	P
2	•
- 2	:
Consumming	د
c.	١
•	•
_	
~	ĸ
•	•
c	3
•	_
e.	۰
-	•
ferm	
•	٥
	ď
~	2
-	3
-	š
6	3
•	۵
~	7
~	3
	7
1	
- Danthe	
•	•
•	•
•	•
•	•
•	•
•	•
•	•
•	•
•	•
•	•
•	•
•	•
•	•
•	•
•	•
•	•
•	•
•	•
•	•
Countain	•
CONTRACTOR	CONTRACTOR OF
CONTRACTOR	CONTRACTOR OF
CONTRACTOR	CONTRACTOR OF
CONTRACTOR	CONTRACTOR OF
CONTRACTOR	CONTRACTOR OF
CONTRACTOR	CONTRACTOR OF
CONTRACTOR	CONTRACTOR OF
CONTRACTOR	CONTRACTOR OF
CONTRACTOR	CONTRACTOR OF
CONTRACTOR	CONTRACTOR OF
CONTRACTOR	CONTRACTOR OF
CONTRACTOR	CONTRACTOR OF
CONTRACTOR	CONTRACTOR OF
XXVIIICONTINUED.	THE VIEW CONTRACTOR
XXVIIICONTINUED.	THE VIEW CONTRACTOR
XXVIIICONTINUED.	THE VIEW CONTRACTOR
XXVIIICONTINUED.	THE VIEW CONTRACTOR
XXVIIICONTINUED.	THE VIEW CONTRACTOR
XXVIIICONTINUED.	THE VIEW CONTRACTOR
XXVIIICONTINUED.	THE VIEW CONTRACTOR
XXVIIICONTINUED.	THE VIEW CONTRACTOR
XXVIIICONTINUED.	THE VIEW CONTRACTOR
XXVIIICONTINUED.	THE VIEW CONTRACTOR
XXVIIICONTINUED.	THE VIEW CONTRACTOR
XXVIIICONTINUED.	THE VIEW CONTRACTOR
CONTRACTOR	THE VIEW CONTRACTOR

•	Unknown.	61	64	:	_	_	:	:	:	:	:	:	:	:	:	:	:	:	:		;
	мо вид охет.	Ġ4	01	04	- 1	1		- 1	:	- 1	- 1	- 1	:	:	1	3	:	- 1	- 4		1
1	75 to 80.	15	15	9	:	9	1	- 1	1	- 1	1	- 1	- 1	- 1	B	- 1	-	-	- :	- ;	
١	70 to 75.	91	16	21	н	04	-	-4	- 1	-1	:	- 1	- 1	:	- 1	- 1	- 1	- :	Y		- 1
ł	65 to 70,	2	26	18	01	9	1	- ;	:	- 1		-	-	1	1	1	:	;	1		- 1
ı	.60 to 65.	7 26	25	50	-	CI.	-	-	-1	_		-	-		90	_	01	-	-	-	-
ļ	.00 to 60.	18 27	18 26	18 28	_	-	<del>-</del>	-	-	-!	-:	- 1	- 1	- 1	2	- :	=	-	-	- 1	-
١	.66 to 66.	10	15	-2	+	-	1	1	-	1	1	1	1	1	9	-	80	00	- 1		- 4
I	45 to 50.	91	6	04	4	- 1	1	- 1		1	-	1	1	1	-		_	_	4		-
Ì	40 to 45.			-	_	- 1	-	1	i	I	1	1	1	1		i			-	1	
Ì	32 to 40.	22	16	7	08	1	- 1	1		1	1		1	1	01	1	61	O.			
1	30 to 35.	10	15	7	0	04	1	1	1	-	1	1	1	1	8	1	*	1	60	1	-
	32 to 30°	27	51	13	14	1	i	1	1	1	1	1	1	-	9	1	00	1	60	1	-
	'95 o1 05	88	33	00	27	1	i	i	ī	1	Ť	i	i	1	00	Ť	-	i	-	1	-
	12 to 20.	22	10	1	10	1	i	-	1	-	61	-	v			+	- •	-		-	-
	1 10 to 15.	-	7	-	7	-	+	1	1	7											
	.01 oz 6	-:	- 1	. 1	- 1	- 1	- ;	- 1	- 1	- ;	- 1		:	- 1	- ;	-1	:	- 1		1	- 1
1	Under 5.		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	1
	SEX AND OCCUPATION.								Farm Laborers.		Farmers' Sons.		Gardeners.			Bricklayers		-	Carpenters		
	, k	<del></del>	<u></u>	<del>-</del>	<del></del> -	- <del>-</del>	<u>,</u>	<del>-</del>	<del>-</del>	<del>-</del>	<del>-</del>	<del>-</del>	<u> </u>	<del>-</del>	:		<u>-</u>	<u> </u>	<u>-</u>	<del>-</del>	Carpenters and
•	CONDITION.		Total	Married	Single	Widowed.	Unknown.	Total	Married	Single	Single	Total	Married	Widowed.		Married	Total	Married	Single	Widowed.	
•		272	265 Total	173 Married	68 Single	21 Widowed.	3 Unknown.	2 Total	<del>-</del>	1 Single	2 Single	3 Total	2 Married	1 Widowed.	35	1 Married	22 Total	18 Married	8 Single	<del>-</del>	1 Married   Cn
		H	1 282	173	8	1 21	*		<del>-</del>	1 Single					11	1 Married	22 Total	18 Married		<del>-</del>	
1	YEAR, 1878.	28 1 272	288	173	8		**	64	Married		61	**	34	_	88		8			Widowed.	1 Married
-	Unknown.	H	1 282	173	8	1 21	*	9	1 Married	_,f;	61	**	34	-	11		8		<b>8</b> 0	1 Widowed.	1 Married
	December.	28 1	27 1 265	173	8	1 21	*	9	1 Married	1	61	**	34	-	11		8		<b>8</b> 0	Widowed.	1 Married
	Дочешрет. Пресешрет.	1 88 1	21 27 1 265	14 16 173	8	2 2 1 21	*		1 Married	_,f;	61	**	. 1	-	61		8		<b>8</b> 0	Widowed.	1 Married
	Точешрет, Точешрет. Пресешрет.	19 22 28 1	19 21 27 1 265	12 14 16 173	4 4 9 68	2 2 1 21	*		1 Married	1	61	**	. 1	-	4		8		<b>8</b> 0	Widowed.	1 Married
	September.  November.  Josepher.	30 19 22 28 1	28 19 21 27 1 265	19 12 14 16 173	4 4 9 68	69 59 11 21	*		1 Married	1	61	**	. 1	-	60		8		<b>8</b> 0	Widowed.	1 Married
	Аикизет.  Бергешрет.  Тосторет.  Тосторет.  Тосторет.  Тиминомп.  Тиминомп.	23 30 19 99 28 1	23 28 19 21 27 1 265	19 12 14 16 173	4 4 9 68	2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	*		1 Married	1	61	**	. 1	-	60		8		<b>8</b> 0	Widowed.	1 Married
	June. July. August. September. November. November. Juknown.	16 23 30 19 29 28 1	16 23 28 19 21 27 1 265	11 13 19 12 14 16 173	4 7 9 4 4 9 68	1 2 2 2 2 2 1 21	*		1 Married	1	61	**	. 1	-	60		8		<b>8</b> 0	Widowed.	1 Married
	June. Juny. August. September. Getober. Yovember. Joece	20 16 23 30 19 22 28 1	20 16 23 28 19 21 27 1 265	10 11 13 19 12 14 16 173	4 7 9 4 4 9 68	C	*		1 Married	1	61	**	. 1	-	00		2 4 1 1 2 1 22		<b>8</b> 0	Widowed.	1 Married
	April.  May. June. June. August. September. September. November. Movember.	31 20 16 23 30 19 22 28 1	30 20 16 23 28 19 21 27 1 265	24 10 11 13 19 12 14 16 173	4 7 9 4 4 9 68	04 04 04 05 05 05 05 05 05 05 05 05 05 05 05 05	*		1 Married	1	61	**	. 1		69 4 60		2 4 1 1 2 1 22			Widowed.	1 Married
	June. Juny. August. September. Getober. Yovember. Joece	27 31 20 16 23 30 19 29 28 1	26 30 20 16 23 28 19 21 27 1 265	19 24 10 11 13 19 12 14 16 173	4 7 9 4 4 9 68	04 09 09 09 09 09 09 09 09 09 09 09 09 09	1	61	1 Married		61	1 1 1	1 1 2	J	5 4 5 5 7 5 5		4 2 2 4 1 1 2 1 22		8 1 1 1 1 8	1 Widowed.	1 Married

TABLE XXVIII.-Continued.-Deaths from Consumption, 1878.

1	Cnknown.				_	i	- 1			-1					- T	-	_		:	:	:
-	S0 and over	-	-	÷	- ;	- :	-	-	÷	_	-	-	÷	÷	_	-	-	-			
-	75 to 80.	-	- 1	- 7	- :	- ;	:	- ;	÷	1	+	-	÷	-	-	+	91		_		
-	'01 01 01 J	-	-:	1	-	+	-	+	+	Ť	1	:	_	-	-	+	01	÷	÷	-	-
	02 01 09			1	-	1	:	:	:	1	1	1	-		1	:	24				
-	.60 to 65.	-	-	÷	1	-	-	1	÷	-	+	1	61	2	-	+	-	-	-	-	-
-	20 00 00	-	4		÷	-	+	-	+	4	;	÷	-	+	+	÷	-	+	-	-	-
-	,66 of 06	-	+	-	_	_	÷	1	+	+	<del>,</del>	-	_	+	÷	÷	÷		-	_	- 1
-	45 to 50.	1	1	1	į	1	1	1	1	1	i.	1	1	1	÷	ı	1	1	1		1
;	40 to 45.	01			-1	:	.;		:	13.			_8	3		_1			:		- 1
	.01 to 40.	1	1	i	1	i	1	i	1	ì	1	į	1	1	1	1	85		- 4		-
-	68 of 08					i												1			
٠	25 to 30.	- 1	1	1	1	1	1	i	1	i	-	1	1	1	i	1	0	-	-	-	1
	.62 01 02				- 1	24				-		:		- 1							
	12 to 50.															1					
	10 to 10.	1.4	- 6	- 1	Ţ,	40	1	- 1					- 1	1	13	-	-1				
	01 01 0	-	1.	:	:	-	1	i	7	1	1	1	:	1	1	1	-1	1	:		
1	Under 5.	1		1	1	;	1	Ť	Ť	i	1	Ť	1	1	1	İ	i	i	i	i	-
<b>4</b>	PAT		hanic		ller	ldeı	u.	m be	ma	vye.	And And	a.	E	E	Ë	Ā	88		a 2		Ē
GRX AND	8		Mechanics.		Millers.	Molders.	Piano-makers.	Plumbers	Saw.makers.		Stave and Bar.	Stone-cutters.	Tinsmiths.	Turners	Wagon-makers.	Weavers	CLASS IV.		. Barbers.		Glove-makers.
Cowings	Condition	Total		Single	Widowed Miller		Married Plano.ma	Married Plumbe	:	Married Sawye	Married Stave and	Married Stone.cu	Married Tinsmi	<u> </u>	Married Wagon-m	-	CLASS	Total		Single	Married Glove.m
Cowings	Condition	4 Total	3 Married Mechanic	1 Single		2 Single Molder			1 Single Saw-mal				<del>.</del>	1 Singlo Turn		Married Weav	:	2 Total	Married   Barbe	1 Singlo	
Vers	Condition	4 Total	Married	1 Single					:			Married	<del>.</del>	<u> </u>	Married	-		2 Total		single	
Vere Covingal	1878. CONDITION.	•	3 Married		1 Widowed	2 Single	1 Married	Married	:	1 Married	1 Married	2 Married	4 Married	1 Singlo	Married	1 Married			Married	-	1 Married
Vers Countries	1878. Coxbirtion.	•	8 Married	;	Widowed	2 Single	1 Married	1 Married	1 Single	Married	1 Married	2 Married	4 Married	1 Singlo	Married	1 Married		- 1	1 Married	1	1 Marriod
Vers Countries	December Conditions.	•	8 Married	;	Widowed	2 Single	1 Married	1 Married	1 Single	Married	1 Married	2 Married	4 Married	1 Singlo	Married	1 Married	2 21	- 1	1 Married	1	1 Marriod
Vers Courtain	November   December   Towns   1878   Con   1	•	1 3 Married	;	1 Widowed	Single	1 . 1 Married	Married	l Single	1 Married	1 1 Married }	1 2 Married	4 Married	Single	Married	1 Married	2 2 21 21	- 1	1 Married	1	1 Marriod
Verse Courtrain	November.  November  December  Unknown.	•	1 3 Married	;	Widowed	Single	1 . 1 Married	1 Married	l Single	1 Married	1 1 Married }	1 2 Married	1 4 Married	Single	Married	1 Married	2 21	- 1	1 Married	1	Married
Vers Covings:	September. November. November. Town. Town. Town.	•	1 3 Married	;	Widowed	Single	1 . 1 Married	1 Married	l Single	1 Married	1 1 Married }	1 2 Married	1 4 Married	Single	Married	1 Married	2 2 21 21	- 1	1 Married	1	Married
Vers Covings:	August. September. Sovember. Torknown. Torknown.	•	3 Married	;	I Widowed	Single	1 . 1 Married	1 Married	l Single	1 Married	1 Married	1 2 Married	1 4 Married	Single	1 2 Married	1 Married	1 1 2 2 2 1 21	- 1	1 Married	1	Married
Vers Covings:	August. August. September. November. Tovember. Tovember. Tovember. Tovember. Tovember. Tovember. Tovember.	•	3 Married	;	I Widowed	Single	1 . 1 Married	1 Married	l Single	1 Married	1 Married	1 2 Married	1 4 Married	Single	1 2 Married	1 Married	2 2 21 21	- 1	1 Married	1	Married
Verse Courtrain	June. July. August. September. Yovember. December. Infinown.	•	3 Married	;	I Widowed	Single	1 . 1 Married	1 Married	l Single	1 Married	1 Married	1 2 Married	1 4 Married	Single	1 2 Married	1 Married	1 1 2 2 2 1 21	- 1	1 Married	1	Married
Vers Covings:	Jany. July. August. September. Sovember. Joecober. Tovember. Tovember. Inknown.	•	3 Married	;	I Widowed	Single	1 . 1 Married	1 Married	l Single	1 Married	1 Married	1 2 Married	1 4 Married	Single	1 2 Married	1 Married	2 1 1 9 2 2 2 1 21	- 1	1 Married	1	Married
Verse Courtour	April.  May. June. June.  August.  September.  Sovember.  Yovember.  Yovember.  Yovember.  Mann.  Ma	•	3 Married	;	I Widowed	Single	1 . 1 Married	1 Married	l Single	1 Married	1 Married	1 2 Married	1 4 Married	Single	1 2 Married	1 Married	20 20 20 20 20 20 20 20 20 20 20 20 20 2	- 1	1 Married	1	Married

4	-		3	1	1	- 1	1	3	-	1	20	02	01	1	1	-	1	1	1		- 5	- 1	- 2	1	1	-1
1	- 1	- 1	- 1	- 1	4	-	1	1	-	1	-		-	i	1	- 1	1		-	1	1	- 1	1	4	1	4
:	- 1	+	1	÷		- 1	-	1	- 1	- 1	7	-		-	1	- 3	1	1	1	1	-	1	1	-1	;	-
:	1	-	-	1	1	-	-	1	:	- 1	9	9	90	04	-	1	1	1	1	1	- 1	- 1	1	1	1	1
3	1		-		+	-	-	1	1	1	04	01	-	;	-	- 3	- 1	1	1	-1	-	-	1	1	1	1
-	- 1	24	- 1	4	-		:	- 1	- 1	1	10	4	70	;	1	-	-	- 1	-	. 1	-	- 3	2	3	1	1
-	-	-	-	1	1	-4	1	-1	:	- 1	-	00	9	:	-	1	:	+	- 1	-	-	- :	1	-	7	1
1	- 1	1	-	- 1	- 1	- 1	- 1	- 1	•	4	-	9	6	-	-	-	1	-		-	01	-	-	-	1	1
1	-	-	1	-	- 13	- 1		-	- 1	-	-	=	Ů.	-	-	- 1	-	-	1	-		-	- 1	-	-	1
1	1	1	1	1	1	- 1	4	1	1	1	01	6	7	-	-	1	1	1	1	:	10	1	1	-	1	1
-	1	- 1	1	1	-1	1	1	1	- 1	1	_	_	-	_	_	1	1	-1-	1	- 1		-	- 1	_	1	_
	C.		-		1		- 1	1			=	10	90		-	1	1		1		00	-				1
=	-	-	1	-	1	-		1	1	1	=	10	7	10	1	-	:	-	-	1	10	1	1	1	1	-
-		1	1	1	1	1	1	1	1	1					-		1	1		1		1	- (	-	-	1
1	1	i	1	1	1	-	1	-	1	01	10	10	*	9	1	1	1	1	1	1	6	1	1	1	1	-
-	-	-		-	*		1		-		10	0	1	G	-	1	-	-			00	-	-	-	-	-
1	- 1		1		1	1	1	- 1	1	1	-				1	1	1	1	1	1		1		1		1
	1	1	1	1	1	-	i	-	1	:	7	-	1	*	1	1	:	1	1	1	-	1	1	1	1	1
-	1	1	:	1	1	1	-	1	-	1	-	-		-		-	:	1		- 1		*	1	2	1	1
-	i	-		-	1	:	1	i	1	1	-;	1	1	:	-	1	-	+	+	-	:	1	1	-	1	+
-	H	1	:	:	1	1	1	-	:	1	1	:	1	1	-	!	-	1	-	1	-		-			-
1	£	i	1	- 1	- 1	j	į	,-i	- 1	- 1	_ i	ţ	i	1	+	1	1	1	i	-	1	i	1	-	1	1
		_				-		-				-	-	~	_			-								
100	100		oj.		bs.					= .							10	nen	4	re.	16			Ors		
Locksmiths.	Printers.		ker		nit			e.		Telegraph Operators.	CLASS V.			Laborers.			kei	10	Watchmen.	ge	CLASS VI.	ei in	Butchers.	oct	Coachmen.	Collectors.
an a	nte		ma		SI		Theiltown	011		rat	188			Ore			pac	one	chr	dip	82	Agents.	che	spe	bn	ect
C.	F		0		60		2	2		316	3			-			-	4	40	-	3	99	2	8	arc	=
			0		-					-				- 75			200	0	100	-	-	4		-		
Lo	-		Shoemakers.		SIIV					OF	0			3			Salt-packers.	rare	Wa	Well-diggers.	CI	A	B	ar I	8	00
Lo	-	_	Sho	_	Sliver smiths.	-		_	_	JO T	0	_		3		_	Salt	Warehouse men	Wa	Wel	CI	V	Bi	Car Inspectors.	8	00
-		-	-		SIIV	- [-		-	-	-   To	-	-	1		_	n- j	Salt	Ware	-	Wel	CI	- V	Bı	Car I	00	
-			-	<u></u>	:	- (		-	-	-	0		pe	1	hea	own.	1	1	-	-	OI	-	1	;	1	
-		m1	-	gle	:	al ]		-	-	-	0	al	rried	1	dowed	known.	1	1	-	-	OI	-	1	;	1	
-		Total	-	Single	:	Total		-	-	-	0	Total	Married	1	Widowed	Unknown.	1	1	-	-	OI	-	1	;	1	
I Married Lo	3 Married P	3 Total ]	2 Married Sho	1 Single	1 Married Sllve	5 Total	2 Married	2 Single	1 Widowed.	2 Single   To		91 Total	53 Married	1	5 Widowed	2 Unknown.	1 Married Salt	Married Ware	1 Married Wa	Married Wel		3 Married A	1 Single Bi	1 Married Car I	1 Single Co	1 Married Co
-		3 Total	-	1 Single	:	5 Total		Single	-	Single	95	91 Total	53 Married	31 Single } La		2 Unknown.	1	1	-	-	39 CI	-	1	;	1	
1 Married	3 Married	80	2 Married	1	1 Married		2 Married	2 Single	-	2 Single {	98			31 Single	10	04	1	1 Married	1 Married	1 Married	39	3 Married	1 Single	1 Married	1 Single	1 Married
- I Married		3 Total	-	1 Single	:	1 5 Total ] -		Single	-	Single		8 - 91 Total	5 53 Married	1		2 Unknown. ]	1	1	-	-		-	1	;	1	1 Married
- I Married	3 Married	80	2 Married	1	1 Married		2 Married	2 Single	-	2 Single {	98	1	1	31 Single	10	04	1	1 Married	1 Married	1 Married	68	3 Married	1 Single	1 Married	1 Single	1 Married
- I Married	3 Married	80	2 Married	1	1 Married		2 Married	2 Single	-	2 Single {	98	1	1	31 Single	10	04	1	1 Married	1 Married	1 Married	68	3 Married	1 Single	1 Married	1 Single	1 Married
1 Married	3 Married	80	2 Married	1	1 Married		2 Married	2 Single	-	2 Single {	98	1 80	1	31 Single	10	04	1	1 Married	1 Married	1 Married	9 6 89	3 Married	1 Single	1 Married	1 Single	1 Married
- I Married	3 Married	80	2 Married	1	1 Married		2 Married	2 Single	-	2 Single {	96 6 9	1	1	31 Single	10	04	1	1 Married	1 Married	1 Married	68 89	3 Married	1 Single	1 Married	1 Single	1 Married
- I Married	3 Married		2 Married	1	1 Married		2 Married	2 Single	-	2 Single {	96 6 9	1 80	1	31 Single	10	04	1	1 Married	1 Married	1 Married	9 6 89	3 Married	1 Single	1 Married	1 Single	1 Married
- I Married	3 Married	80	2 Married	1	1 Married	1 1	2 Married	2 Single	-	2 Single {	2 8 4 9	8 7 8 9	- 9 9	1 4 2 31 Single	10	04	1	1 Married	1 Married	1 Married	4 2 9 6 39	3 Married	1 Single	1 Married	1 Single	1 Married
- I Married	3 Married		2 Married	1	1 Married	1 1	2 Married	2 Single	-	2 Single {	8 4 9 95	80 7 80	- 9 9	1 4 2 31 Single	10	04	1	1 Married	1 Married	1 Married	2 9 6 39	3 Married	1 Single	1 Married	1 Single	1 Married
- I Married	3 Married		2 Married	1	1 Married	1 1	2 Married	2 Single	-	2 Single {	0 8 4 9 95	8 7 8 9	- 9 9	1 4 2 31 Single	10	04	1	1 Married	1 Married	1 Married	4 2 9 6 39	3 Married	1 Single	1 Married	1 Single	1 Married
- I Married	3 Married		2 Married	1	1 Married	1 1	2 Married	2 Single	-	2 Single {	10 6 6 8 4 9 95	8 4 8 9	5 4 2 6 5	3 3 1 4 2 31 Single	10	04	1	1 Married	1 Married	1 Married	8 8 4 2 9 6 89	3 Married	1 Single	1 Married	1 Single	1 Married
- I Married	3 Married		2 Married	1	1 Married	1 1	2 Married	2 Single	-	2 Single {	10 6 6 8 4 9 95	8 4 8 5	5 4 2 6 5	3 1 4 2 31 Single	10	04	1	1 Married	1 Married	1 Married	8 4 2 9 6 89	3 Married	1 Single	1 Married	1 Single	1 Married
- I Married	3 Married		2 Married	1	1 Married	1 1	2 Married	2 Single	-	2 Single {	13 10 6 8 4 9 95	12 9 5 5 8 4 8	5 4 2 6 5	3 3 1 4 2 31 Single	10	04	1	1 Married	1 Married	1 Married	8 8 4 2 9 6 89	3 Married	1 Single	1 Married	1 Single	1 Married
- I Married	3 Married		2 Married	1	1 Married	1 1	2 Married	2 Single	-	2 Single	5 13 10 6 5 8 4 9 95	5 12 9 5 5 8 4 8	2 8 5 4 2 6 5	3 3 3 3 1 4 2 31 Single	1 1 1 5	04	1	1 Married	1 Married	1 Married	2 1 3 3 4 2 9 6 39	3 Married	1 Single	1 Married	1 Single	1 Married
- I Married	3 Married		2 Married	1	1 Married	1 1	2 Married	2 Single	-	2 Single	5 13 10 6 5 8 4 9 95	5 12 9 5 5 8 4 8	8 5 4 2 6 5	3 3 3 3 1 4 2 31 Single	10	04	1	1 Married	1 Married	1 Married	1 8 8 4 2 9 6 39	3 Married	1 Single	1 Married	1 Single	1 Married
- I Married	3 Married		2 Married	1	1 Married	1 1	2 Married	2 Single	-	2 Single	10 5 13 10 6 5 8 4 9 95	10 5 12 9 5 5 8 4 8	6 2 8 5 4 2 6 5	3 3 3 3 3 1 4 2 31 Single	1 1 1 5	04	1	1 Married	1 Married	1 Married	3 2 1 3 3 4 2 9 6 39	3 Married	1 Single	1 Married	1 Single	1 Married
- I Married	3 Married		2 Married	1	1 Married	1 1	2 Married	2 Single	-	2 Single	10 5 13 10 6 5 8 4 9 95	10 5 12 9 5 5 8 4 8	2 8 5 4 2 6 5	3 3 3 3 3 1 4 2 31 Single	1 1 1 5	04	1	1 Married	1 Married	1 Married	2 1 3 3 4 2 9 6 39	3 Married	1 Single	1 Married	1 Single	1 Married
- I Married	3 Married		2 Married	1	1 Married	1 1	2 Married	2 Single	-	2 Single	13 10 5 13 10 6 5 8 4 9 95	10 5 12 9 5 5 8 4 8	7 6 2 8 5 4 2 6 5	3 3 3 3 3 1 4 2 31 Single	1 1 1 5	04	1	1 Married	1 Married	1 Married	3 2 1 3 3 4 2 9 6 39	3 Married	1 Single	1 Married	1 Single	1 Married
- I Married	3 Married		2 Married	1	1 Married	1 1	2 Married	2 Single	-	2 Single	8 13 10 5 13 10 6 5 8 4 9 95	13 10 5 12 9 5 5 8 4 8	5 7 6 2 8 5 4 2 6 5	5 3 3 3 3 1 4 2 31 Single	1 1 1 5	04	1	1 Married	1 Married	1 Married	3 3 3 4 3 9 6 89	3 Married	1 Single	1 Married	1 Single	1 Married

TABLE XXVIII .- Continued .- Deaths from Consumption, 1878.

_	Спквожи	_		•	<u>.</u>	•	<u>:</u>		<u>:</u>	<u>:</u>		<u>:</u>	<u>:</u>		<u>:</u>		<u>:</u>		_:	:	_
.19	vo han 08	1	_	. ;	9	1	1	1	1	1	3	- ;	1	1	-:	1	- 5	- 1	4	3	
_	75 to 80.	1 1	- 1	- 1	- 1	:	- 3	-	*				_	_	_	_	_	_		_	_
_	70 to 75.	1	-4	- 1	- 1	1	;	-	-1	-	1	-	-	:	1	4	:	- :	- 1	- 1	-
-	'02 01 09	1 ;	- 1	-	*	÷	:	+	-	+	1	1	-	- 1	1	1	+	1	-1	1	
-	,00 03 00	1	7	1	Ti-	÷	i	÷	1	-	;	÷	÷	-	-	Ť	Ť	-	-	1	
	'99 ot ng		=	1	1	1	÷	÷	1	-	- 5	-	-	1	0.9	-	:	:	- :	- 1	
	.05 or &k	1	1	1	1	1	1	1	1	1	-	1	1	1	1	1	1	1	1	1	
_	40 to 45.	1	1	-1	1	1	-	-	1	1	-	1	1	1	1	1	н	-	1	-	
-	.01 od 60.		-1	1	1	1	1	i	1	1	1	04	01	1	1	1	1	1	1	+	
-	30 to 33.	1	1	1	1	1	-	-	i	i	1	-		1	1	-	1	1	1	1	
-	.08 o3 52	-	1	1	-	-	-	-	Ì	Ť	-	-	-	Ť	i	i	-	ī	-	1	
-	-50 to 55.		;	1	:	1	-	1	-	i	1	-	1		i	Ť	1	i	1	1	
-	12 10 50	1	1	1	1	Ť	-	i	-	i	i	i	i	i	i	1	i	1	1	1	
-	10 to 12.	1		÷	+	÷	:	÷	:	÷	÷	÷	1	-	÷	÷	+	-	- 6	:	
-	5 to 10.		-	Ì	-	-	1	-	-	1	Ť	- 1	- 1	10	-	1	1	1	1	1	
	Under 5.		1	T.	1	1	1	1	1	1	1	1	1	1	ì	1	1	1	1	1	
<	·	_ es		_		٠.															
SEX AND	OCCUPATION.	Constables.	Drivers.	Draymen.	Drovers.	Engin'rs, L	_	Ilunters.	_	Livery.keepors.	Lumbermen.		Miners.		Peddlers.	Policemen.		R. R. Conductors.	_	R. R. Laborers.	
	CONDITION. OCCUPA	Married Consta	Married Drive	Widowed. Drays		Married Engin'rs, Locomotive.	Total	Married   Hun	Single		Married Lumb	Total	Married   Min	Widowed.	Married Pode	<del>-</del> -	Total	Married R. R. Co	Single	<b>H</b>	
					1 Single Drov		5 Total		2 single	Married Livery.		6 Total		1 Widowed.		1 Single Polic	2 Total		1 Single	Married R. R. L.	
YEAR, CONJUGAL	CONDITION.						5 Total	Marriod	2 single		Married		Married	1 Widowed.	Married	<del>-</del> -	2 Total		1 single	<b>H</b>	
YEAR, CONJUGAL	1978. CONDITION.				J Single	1 Married	40	3 Marriod	24	Married	8 Married	9	5 Married		2 Married	<del>-</del> -		Married		Married R.	
YEAR, CONJUGAL	Unknowi				J Single	1 Married	40	3 Marriod	24	Married	8 Married	9	5 Married		2 Married	1 Single		Married		) Married R.	_
F F F TRAB, CONJUGAL	Unknown  Condition.				J Single	1 Married	1 5	3 Marriod	24	Married	8 Married	9	5 Married		2 Married	1 Single		Married		1 Married R.	_
H   H   L   A   YEAR, CONJUGAL	Уочетъре Пркпоwт Пресетъре				- 1 1 Single	1 Married	9 1 5	1 1 3 Married		Married	a 1 1 8 Married	1 1 6	5 Married		2 Married	1 1 Single		Married		1 Married R.	_
H   H   L   A   YEAR, CONJUGAL	Устербет.  Мочетре  Востербет развительной				- 1 1 Single	1 Married	9	1 1 3 Married	1 2	Married	a 1 1 8 Married	1 1 6	5 Married		2 Married	1 1 Single		Married		1 Married R.	_
H   H   L   A   YEAR, CONJUGAL	September Осторет. Иочетре Вертемве Вертемве В В В В В В В В В В В В В В В В В В В				1 1 Single	1 Married	9	1 1 3 Married	1 2	Married	a 1 1 8 Married	1 1 6	5 Married		2 Married	1 Single		Married		1 1 Married R.	_
H   H   L   A   YEAR, CONJUGAL	August. Septembe Septembe Septembe Theknown				1 1 Single	1 Married	1 9 1 6	1 1 S Married	1 1 2	Married	a 1 1 8 Married	1 1 6	5 Married		2 Married	1 Single	1	1 1 Married		1 1 Married R.	_
H   H   L   L   YEAR, CONJUGAL	July.  August.  Septembe  October.  Vovembe  Unknown  Unknown  Unknown  Unknown				1 1 Single	1 Married	1 9 1 6	1 1 S Married	1 1 2	Married	1 1 1 8 Married	1 1 6	5 Married		2 Married	1 Single	1 1 1	1 Married		1 1 Married R.	_
H   H   L   L   YEAR, CONJUGAL	June, August. Septembe October. Vovembe Unknown				1 1 Single	1 Married	1 1 2 1	1 1 S Married	1 1 2	Married	1 1 1 8 Married	1 1 6	5 Married		2 Married	1 Single	1 1	1 1 Married		1 1 Married R.	_
H   H   L   L   YEAR, CONJUGAL	May. June, June, Septembe October, Septembe Decembe Unknown				1 1 Single	1 Married	1 1 2 1	1 1 S Married	1 1	Married	1 1 1 8 Married	1 1 6	5 Married		2 Married	1 Single	1 1	1 Married		1 1 Married R.	_
E E E ZAR, CONJUGAL	April., June, June, June, June, June, June, Juny, Megustr, September, September, Movem				1 Single	1 1 Married	1 1 2 1 5	1 1 S Married	1 1	1 Married	1 1 1 8 Married	1 1 6	5 Married		2 Married	1 Single	1 1 1	1 Married		1 1 Married R.	_

TABLE XXVIII .- Continued. - Deaths from Consumption, 1878.

	Unknown.		_		_		_	-	_	_	1		_	_	_	_	-		<del></del>	$\div$	
	79V0 bas 08	- 4	-		-						-	7.				100		- :			
	75 16 80.	-:	-	1	1	1	÷	-	-	+	1	1	+	-	1	+	-	- 1	-	:	-
	70 10 75	- 1	_	+	1	÷	1	1	+	+	1	1	;	-	-	-	1	- 1		;	-
	107 01 68	1	- ;		-	÷	-	91	-	04	D4	÷	÷	1	1	1	4	:	- 1	- 1	-
<u>8</u>	100 01 09	-		-	h	_			_	_	:	+	-	-	÷	+	-	-	1	-:	-
ĩ	.00 to 60.	-	-	-	-	-	4	:	-	:	i	÷	÷	1		- 6	÷	-	-	1	
, H8,	50 00 05.	-	-	÷	÷	-	1	÷	_	64	24	÷	1	+	-	-	-	1	1	-	-
Ä	45 to 50.	1	4	1	-	,	4	-!	1	-	1	1	1	01	-	-	- 1	-:	- 1	-	-
0	40 to 45.							-	_				-	Q1	01	-	_		_	-	_
AGES IN PERIODS OF YEARS,-1878.	35 to 40.	1	1	1	i	1	1	-		;	1		1			1	- 1	1	-1		
7	30 10 32	-	1	_	1	i	1	1	i	24	-		1	-	_	1	i	_	_	į	
KI e	25 to 30.	1	1	1	1	1	1	1	1	1	1	i	-	1	1	į	1	1	1	5	B
V C	20 to 25.			1				-												- 1	
	15 to 20.	1	1	1	1	1	i	1	1	1	1	1	i	1	1	1	1	1	1	1	
	10 to 15.	Ť	-	-	i	-	i	i	i	Ť	Ť	Ť	1	-	-	- i	Ť		7	-	
	.01 03 6	- 1	1	-	1	-	10	1	1	1	1	1	1	1	1	1	1		- 1		
	The state of the second	1		1	1	1	1	1	1	1	i	:				- 1			1		
_	Under 5.	- 1	- 1	-	- ;	-	_		- 3	<u> </u>	<u>:</u>	<u> </u>	-		_		ا 				
	SEX AND		County Clerks.		Druggists.	Expressmen.	ırniture	Grocers.	Hotel Clerks.		Hotel-keepers.		Insurance Agents.		Monohomite	T CICI		al Estat	Salcamen		Saloon.keeners
			<u> </u>	_			Ē						=	_	_	<u></u>		<u>~</u>		_	
		Total		Widowed.	Single	Married	Married Ft	Married	Marriod	Total	Married	Single	-:	Total	Married	Single	Widowed.	Unknown. Real Estate Deal'rs.	Single	Total	=
	CONJUGAL CONDITION.	S Total	1 Married	2 Widowed.	1 Single	1 Married	1 Married Furniture Dealors	3 Married	1 Married	7 Total	6 Married	1 Single	1 Married In	9 Total	6 Married	2 Single	1 Widowed.	1 Unknown. Re	1 Single	4 Total	=
		3 Total			1 Single	1 Married	1 Married Ft		1 Married	7 Total	6 Married	. 1 Single	-:		6 Married		1 Widowed.	. 1 Unknown. Re	J Single	+ Total	=
	YEAR, CONJUGAL 1878, CONDITION.	•		64	-	1	1	•	-	7	•	_	1 Married	_	•	01	-	-	-	•	=
	Тядя, Сомрином. 1878, Сомритюм.	•		64	-	1	1	•	-	7	•	1	1 Married		•	64		1	-1	-0-0-0	_
	Десеmber. Пресеmber. 1878. Сомривал.	•		64	-	1	1	•	1	7		1	1 Married		•	64		1	-1	-0-0-0	=
	Мочетьет.  Так.  Томпрет.	•		64	-	1	1	•	1	7		1	1 Married		•	64		1	-1	-0-0-0	=
878.	Осторет.  Тикиомп.  Тикиомп.  Тикиомп.  Тикиомп.  Тикиомп.  Тикиомп.  Тикиомп.	•	1 Married	64	-		1	•	1	7		1	1 Married		•	64		1	-1	-0-0-0	=
6, 1878.	Зергетьет.  Така Сомирет.  Тометьет.  Тометьет.  Тометьет.  Тометьет.  Тометьет.  Тометьет.	•	1 Married		-		1	•	1	1 1		1	1 Married	•	•	64		1	-1		=
Mine, 1878.	Аикпаг. Таки. Тосторег. Тосторег. Тосторег. Тосторег. Тосторег. Тосторег. Тосторег.	1 3	1 Married		-		1	•	1	7	1 1 6		1 Married	•	•	64		1	-1	1	=
Mowras, 1878.	лаган.  Аветен.  Вертетьет.  Вертетьет.  Такк.  Соминат.  Такк.  Такк.  Соминат.  Такк.  Такк.	1 3	1 Married		-		1	•	1	7	1 1 6		1 Married	•	•	64		1	-1	1	=
Monrae, 1878.	June, August, September, October, Tarn, Ta		1 Married		-		1	1	1	7	1 1 6		1 Married	•	•	64		1	-1	1	=
Moxrae, 1878.	June, June, June, Juny, August, October, October, December, December, Taan, Ta	1 3	1 Married		-		1	•	1	7	1 1 6		1 Married	•	•	64		1			=
Months, 1878.	April.  August.  Juny.  August.  September.  September.  Josephember.  Josephember.  Josephember.  Josephember.  Josephember.  Josephember.  Josephember.  Josephember.  Josephember.  Josephember.		1 Married		-		1	1	1	1 1 2 1 7	1 1 1 1 6		1 Married	•	•	64		1			S Married .

1. 7. 7. 1	:	1	1 1	:	1	1	1		1	1	3	1	1	1	:	1	1	1	:	4
1 1 1 1	1	1	1 :	- 1	1	1	1	1	3	:	1	-	1	1	1	-	4	-	1	1
1 1 1 7	1	:	1 1	-	-1	H	1	1	:	. 2	1	- (2)	4	- 1	-1	- 1	- 1	1	-	1
	. 1	1	: 1	1	à	. :	1	4			1	-	- 5	-	-	-	7	1	1	1
1 1 1 -	-	:	1 1	:	- 1	1	-	1	1		1	_	-	-	- 1	-	1	- 1	1	-
1 1 1 9		1	1 1	:	:	-	1	-0-	:	-	-	4 1	1	1		-	01	-		-
1 1 1 1		1 '	1 1	1	;	-	1	1	1	1	- 1	-	-	- 10	-	-	1		1	1
111	-	1	1 1	1	1	1	-	1	-	-	+	-	1	3		-	-	1	1	
111	_ i_	1	1	- 1	1	1		- 1	i	1	i		1	1	:			. 1	1	1
1 1 00		1	1 1	01	64	1	-	1	1	-	1	1	1	1	-	1	-	1	1	1
1 1 1 00	-	-	1 1	-	:	-	:	-	Ot.	24	1	-	-	-	1	-	-	-	1	4
111			1 1	1	-	1	- 1	1		-	1.		1	1	- 1		1			1
1717		1	1	-	-	1	1	1	1	-	1	00	-	1	1	35	1	-	1	01
- 1 1 61	1	:	1 1	1	:	1	-	1	-	-	1	00	1	1	-	00	:	00	1	1
-11	1	1	1 1	- 1	1	- 1	_	.1	-	-		_	1	1	- !		-	-	1	-
111"	1	1	1	1	1	1	1	-	01	1	01	4	-	-	-	00	1	83	-	1
1 1 1 0	-1	1	1 1	1	1	-	- 1	91	1	1	1	7	1	:	1	*	:	*	- 1	4
	-	-	: :	1	-	:	-	-	1	:	1	-	1	-	1	-	-	_	-	-
1111		1	1 1	1	1	:	:	1	1	4	-	10	1	1	-	10	-	10	1	1
1 1 1 1	1	1	1 1	1	1	+		_	_	1	1	37	1	_	-	37	1	37	1	_
	- 1	1	1 1	1	1	1	1	1	1	:	1		1	i	1		1	-	- 1	1
	_	-	_	-	- 5						-		-	-		-	-			
Undertakers, Wool Dealers, CLASS X.			of.		un'		ns.	8		où:		4						ed.		
ndertaker ool Deale CLASS X.		Dentists,	Lawyers.		Ministers.		Physicians.	Students.		Teachers.		CLASS XI.		Paupers.				Unemployed.		
eri 1 D		ent	1		nis		ysi	nde		acl		ASS		BILL				un D		
2 2 5		~	- 60		=		=	44		Ø.		- 6		-				0		
2 2		-	H		-		A	00		H		0		-				8		
TO M		_	Т				P	00		1		0		-				un .		
-	_	-	_	-	-			00	-							-	-		_	-
-	_	-	_	-	-		1	-			· · ·		-	1	_	(	d		pa.	wn.
-	_	-	_	n	-	gle	1	-	al		gle J		nl	1	gle]	al)	rried		lowed.	known.
-	_	-	_	Fotal	-	Single	1	-	Fotal		Single		Fotal	1	Single	Fotal ]	Married		Widowed.	Unknown.
Single	_	-	1 Married I	3 Total	2 Married   M	1 Single		S Single S	6 Total	3 Married }	2 Single		2 Total	1 Married   I	1 Single	56 Total )	5 Married		1 Widowed.	4 Unknown.
-	_	-	_	3 Total	Married	1 Single	1	Single	6 Total		g Single		2 Total	1	1 Single	66 Total)	5 Married	56 Single } Un	1 Widowed.	4 Unknown.
1 Single 1 Single 1 Married 1	2 Total	1 Married	1 Married		2 Married	-	5 Married	3 Single		3 Married				1 Married						- d Unknown.
Single	2 Total	-	_	3 Total )	9 Married	1 Single	1	Single	6 Total		2 Single		2 Total ]	1	1 Single	4 66 Total )	5 Married		1 Widowed.	4 Unknown. J
1 Single	2 Total	1 Married	1 Married		2 Married	-	5 Married	3 Single		3 Married		68		1 Married		4	-	4 56 Single }		4 Unknown. J
1 Single	2 Total	1 Married	1 Married		9 Married	-	5 Married	3 Single		3 Married				1 Married						+ Unknown. )
1 Single 1 Single 1 Married	2 Total	1 Married	1 Married		9 Married	-	5 Married	3 Single		3 Married		68		1 Married		4	-	4 56 Single }		1 4 Unknown. ]
1   Single	2 Total	1 Married	1 Married		9 Married	-	1 5 Married	3 Single		3 Married		3 10 4 68		1 Married		10 4	-	9 8 4 56 Single		- 1 4 Unknown. J
1   Single	2 Total	1 Married	1 Married		9 Married	-	5 Married	3 Single		3 Married		10 4 68		1 Married		10 4	-	8 4 56 Single		1 4 Unknown. J
1   Single	2 Total	1 Married	1 Married		1 9 Married	-	2 1 5 Married	3 Single		3 Married		3 10 4 68		1 Married		10 4	-	9 8 4 56 Single		1 1 4 Unknown. ]
1 Single 1 S		1 Married	1 Married		9 Married	-	1 5 Married	3 Single		3 Married		9 8 3 10 4 68		1 Married		9 7 8 10 4 ·-	-	6 2 8 4 56 Single		1 1 1 4 Unknown. J
	2 Total	1 Married	1 Married		1 9 Married	-	2 1 5 Married	3 Single		3 Married		8 3 10 4 68		1 Married		7 8 10 4	-	6 2 8 4 56 Single		1 1 1 4 Unknown. ]
1 Single 1 S		1 Married	1 Married		1 9 Married	-	2 1 5 Married	3 Single		3 Married		9 8 3 10 4 68		1 Married		9 7 8 10 4 ·-	-	6 2 8 4 56 Single		1 1 1 4 Unknown. ]
1 Single 1 S		1 Married	1 Married		1 9 Married	-	2 1 5 Married	3 Single		3 Married		4 8 9 8 3 10 4 68		1 Married		4 8 9 7 8 10 4	-	4 5 8 6 2 8 4 56 Single		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 Single 1 S		1 Married	1 Married		1 9 Married	-	2 1 5 Married	3 Single		3 Married		9 8 3 10 4 68		1 Married		9 7 8 10 4 ·-	-	6 2 8 4 56 Single		1 1 1 1 4 Unknown, ]
1 Single 1 S		1 Married	1 Married		1 9 Married	-	2 1 5 Married	3 Single		3 Married		4 8 9 8 3 10 4 68		1 Married		4 8 9 7 8 10 4	-	4 5 8 6 2 8 4 56 Single		1 1 1 1 4 Unknown. ]
1 Single		1 Married	1 Married		1 9 Married	-	2 1 5 Married	3 Single		3 Married		4 6 4 8 9 8 3 10 4 68		1 Married		4 8 9 7 8 10 4	-	3 5 4 5 8 6 2 8 4 56 Single		1 1 1 1 1 4 Unknown. J
1 Single		1 Married	1 Married		1 9 Married	-	2 1 5 Married	3 Single		3 Married		4 8 9 8 3 10 4 68	1	1 Married		4 6 4 8 9 7 3 10 4	-	5 4 5 8 6 2 8 4 56 Single		
1 Single		1 Married	1 Married		1 9 Married	-	2 1 5 Married	3 Single		3 Married		4 6 4 8 9 8 3 10 4 68	1	1 Married		4 6 4 8 9 7 3 10 4	-	3 5 4 5 8 6 2 8 4 56 Single		1 1 1 1 4 Unknown. J
1 Singlo ] 1 Singlo ] 1 Singlo ] 1 Singlo ] 1 Singlo ] 1 Singlo ] 1 Singlo ] 1 Married		1 Married	1 Married		1 9 Married	-	2 1 5 Married	3 Single		3 Married		4 6 4 8 9 8 3 10 4 68	1	1 Married		4 6 4 8 9 7 3 10 4	-	3 5 4 5 8 6 2 8 4 56 Single		

TABLE XXVIII.—Continued.—Deaths from Consumption, 1878.

		* 1	1 1		<b>31</b> .	A I	10.	11(	<i>,</i> ,,	OF	J	LIC	111	JA	м,	10	10.					
	Unknown.	-	:	:	:	:	:	:	:	:	:	;	:	;	;	÷	:	1	:	:		-
	. 19 vo ban 68	NO.	1	1	1	- 1	- 1	- ;	- )	- 1	-1	-;	1	- ;	- :	- ;	- ;	- ;	- 1		-	
	75 to 80.	- 0.	- \$	- 1		1	- 3	7	- 1	. ;	i	- 1	. 1	- 1	ī,	$\overline{}$	- 1	_ i	7	- 5	-77	1.5
œ.	70 to 75,	91	- 1	1	- ;	- 1	:	-	-	-1	1	- 1	1	- 1	- 1	00	60	-1	:	- 1		-
EAES,-1878	.07 of 58	85	- 1	- 1	2.4	- 1	-1	01	1	- 1	01	- 1	1	:	- 1	1	1	- 1	1	:	- 1	
Ĩ	.60 to 65.	19	- 1	1	- 1	- ;	1	- 1	- ;	1	:	4	:	1	:	6.5	24	1				-
	.00 to 60.	55 50	1	1	- ;	-	1	- ;	- ;	1	- ;	-	1	î	-	00	69		7	- 1	- :	
<b>M</b>	.60 to 55.	33	:	- 1	- 3	- }-	1	-	- 3:	-	- 1	-:	1	- 1	-1	-	-	- 1	-:	:	00	60
M	45 to 50.	48	1		1	1	1	-	-	1	-		1	1	1	G	90	1	-	1	01	G4
20	40 to 45.	3	-	1	1	1	1	-	-	1	1	1	-	1	1	4	4	- 1	1	-	93	64
	32 to 40.	19	1	1	1	i	1	1	1	-	1	1	1	1	1	01		1	-	-	01	01
PERIODS	30 to 35.	8	1	1	1	1	1	7	i	,	1	1	1	1	1	9	*	-	-	-	04	01
	25 to 30.	113	Ť	T	1	i	1	01	i	04	1	-	1	-	i	. 9	+	01	1	1	9	. 9
IX	20 10 25,	153	1	-	-	i	i	*	i	7	i	04	i	64	i	21	10	9	H	01	*	4
AGES	15 to 20.	26	i	-	1	i	÷	10	i	9	i	-	i	-	i	-	1	-	:	99	:	1
4	10 to 15.	22	-1	-	-		-	_	4	-	- 1					_				_		-
	210101	04	- 1	:	1	:	:	- 1		- 1	- ;	1	1	- 1		1	1	-:	- 5	- 5	- 3	
	Under 5.	25	i	i	i	i	1	1	1	1	1	1	i	1	1	1	1	i	1	-	Ì	
									-				_	_		_	_	_	_	~	_	
	SEX AND OCCUPATION.	CLASS XII. (Females.)	Astrologists.	"At Home."	Bakers.	Book-koepers	Carpenters,									_		Farmere.		Farmers' Daughters.		Farmers' Wives.
	CONJUGAL		Widowed	Single	Married	Married	Single	20 Total	Married	15 Single	Widowed.	Total	Married	Single	Widowed	51 Total	34 Married	11 Single	Widowed.	Single	27 Total	25 Married
	YEAR, 1878.	755	_	<u>8</u>	_	_	=	8	က	2	61	*	_	*	_	2	ਲ	=	6	00	23	8
_	Unknown.	00	- 1	- (	-:	- 4	-1	:	- 1		:	- 1	1	:		;		1.2	1	:	-	-,
	December.	67	1	1	1	i	i	01	i	04	i	İ	Ť	i	Ť	64	Ť	01	1	-	*	-
	Мочетьет.	57	Ť	-	Ī	1	i	00	-	04	1	-	1	1	-	*	-	01	-	7	-	-
	October.	12	1	1	1	1	1	-		1	-	04	-	-	1	10	20	01	1	-	20	ro
<b>.</b>	September.	15	1	1	1	1	1	69	1	94	- 1	1		-		.04	•					
187	isuguA	23									1	1	1	0	- 1	9	0	i	1	1	80	3
	July.	69	1	-	1	1	1	00	:	00	1	1	1	-		64	-	-	1	04	60	60
7 H	'oung	57	1	1		1	-	1	1	1	i	1	1	1	1	4	20	-	1	1	01	01
M o M	May.	23	1	1	1	1	1	*	-	63	1	1	1	1	1	9	10	1	1	1	1	1
	April.	81	-	1	1	7	1	-	-	-	i	1	1	-	-	1	2	1	C4	-	64	Q1
	Матей	19			-	- 15	•	П	1	- 0	-		•		•	4	61	-	-	-	C#	1
	February.	23	1	1	1	1	1	-	1	-	1	1	1	1	1	10	10	1	1	1	9	20
	.Trannat	9	1		;	;	;	-	•	-	:	_	1	-	:	*	*	:	:	-	_	-

-	1	:	*	61	01	-	. 1	1	00	0.5	=	1	1	:	1	-		1	1	1	:	1	7	11
4	1	1	1	69.	-	1	-	1	01	1	1	04	1	1	1		1	1	;		_	-		1
1	1	-	-	09	-	-	1 2	1	4 2	20	1	100		1	1	1	-	1	:	1	1	1	1	1
4	-	-		- 0	01	-	00	-	-3-	-	-	4	-	1	-	1	- 6	-	-	-	1	1	1	+
+	:	1		20	24	1	-	1	10 11	00	÷	01	,	-	:	1	1	-	+	1	1	:	1	-
÷	÷	1	-	F-	9	-	-	-	171	14	1	00	-	-	-	-	:	:	3	-	1	-	1	-
1	-	-	1	10	00	1	-	-	13	17	1	01	-1	-	7	1	1	1	1	1	1	-	1	7
1	1	1	1	-	20	-	CH	1	81	5	1	-	1	-	-	1	:	-	-	-	1	-	4	1
	-	1	-	00	90	-		-	18	18	*	-		CH	-	04	-	-			-		-	-
1		1	1	-		1	1	1			1	1	1		1		1	1	1	1	1	1	1	1
I	1	1	1	16	13	01	1	1	533	31	1	1	1	20	1	04	1	1	1	1	1	1	+	1
1	:	-	:	19	2	80	-	1	40	33	1	-	-	-	1	:	-	1	÷	-	-	-	-	-
1	1	1	1	_	_	-	_	-			01		-	00	-	-	_	1	-	-	-	1	_	-
I		1	7	12	14		1	1	53	20	-						1	1	-			1	-	
1	1	1	1	19	11	00	1	1	50	233	01	-	-	7	1	9	1	1	1	1	1	1	1	
T	:	-	1	6	4	10	1	1	10	64	60	:	1	12	-	11	1	1	1	1	1	1	1	1
+	1	1	+	-	1	-	1	:	:	-	- 1	:	:	1	1	:	1	1	7:	1	-	1	1	-
+	:	:	1	1	:	:	:	;	1	:	:	1	:	1	1	:	1	1	1	1	1	1	1	7
T	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
=	-	-	ri ni	-					÷	•	-	-		-			-	-	•	-	_	=	-	-
			IVOS.			100								-	0	o I		es.	es.					-//
		8	*			per					VOS				1	LEG		Wiv	VIV		8.		118	62.
		Fishers.	.8			kee					Housewives				9	WO		.8	-		Matrons,		Merchants.	Midwives.
		risl	ner			sel					use				0	5		rer	ne		fat		erc	idy
			rde			Ion					Ho				3	100		1po	In Be		-		M	7
_	_		Garde	_		Housekeepers.		-	_		Ho H		_	-	House wouldone	Hom	_	Laborers' Wives.	Masons' Wives.	_	-		M	N
1	n. ]	-	Gardeners'	-	- 1	Hou	1	n. ]	-	-	Ho	d.	n. J	-	1	- Hom	1-1	:	:	-		_,	:	-
Wed-1	own.	3	1		ed	1	wed	own.		ed	1	wed	own.	(	1	1	wed.	:	:			e	:	-
I-pewop	known.	lgle	1	tal	irried	1	idowed	known.	(tal)	rried	1	idowed	nknown.	tal	1	1	dowed.	:	:	tal]		gle	:	-
Widowed-1	Unknown.	Single	1	Total	Married	Single	Widowed	Unknown.	Total )	Married	1	Widowed	Unknown.	Total )	1	1	Widowed.	Married Labo	Married Masc	Total ]	Married	Single	:	-
1 Widowed-1	1 Unknown.	2 Single	1 Married Garde	129 Total	S5 Married	1	13 Widowed	2 Unknown.	275 Total	245 Married	8 Single } Ho	20 Widowed	2 Unknown.	37 Total )	10 Married	25 Single	2 Widowed.	:	:	2 Total		1 Single	2 Married M	1 Married M
_	. 1 Unknown.		1 Married	-		29 Single		- 2 Unknown. ]	2 275 Total)		1	- 20 Widowed	. 2 Unknown.	3	10 Married	25 Single	04	1 Married	:	04		1	:	1 Married
-	1 Unknown.	2 Single	1	8 129 Total )	6 85 Married	Single	13 Widowed	2 Unknown.	69	03	1	1 20 Widowed	- 2 Unknown.	3 37 Total	1	1		:	:	2 Total		1 Single	:	-
_	1 Unknown.		1 Married	;	:	29 Single }		2 Unknown. ]	53 5	55	1	1 1 20 Widowed	2 Unknown.	1	10 Married	25 Single	04	1 Married	:	04		1	:	1 Married
-	1 Unknown.		1 Married	10 8	:	1 2 29 Single	-	2 Unknown.	18 23 2	16 22 9	1	1 1 - 20 Widowed	2 Unknown.	00	1 10 Married	4 1 25 Single	04	1 Married	:	04		1	:	1 Married
-	1 Unknown.		1 Married	9 10 8	7 7 6	2 1 2 29 Single	-	2 Unknown.	31 18 23 2	26 16 22 2	1	4 1 1	2 Unknown.	60 60	1 10 Married	2 4 1 25 Single	04	1 Married	:	04		1	:	1 Married
-	1 Unknown.		1 Married	10 8	:	1 2 29 Single	-	2 Unknown. ]	18 23 2	16 22 9	1	8 4 1 1 20 Widowed	1 2 Unknown.	00	1 10 Married	4 1 25 Single	04	1 Married	:	04		1	:	1 Married
-	1 Unknown.		1 Married	9 10 8	7 7 6	2 1 2 29 Single	-	2 Unknown.	31 18 23 2	26 16 22 2	1	4 1 1	1 1 2 Unknown.	60 60	1 10 Married	2 4 1 25 Single	04	1 Married	:	04		1	:	1 Married
-	1 Unknown.		1 Married	10 9 10 8	8 7 7 8	2 1 2 29 Single	-	2 Unknown.	92 31 18 23 2	18 26 16 22 2	1	4 1 1	1 1 2 Unknown.	3 8 8	1 10 Married	2 2 4 1 25 Single	04	1 Married	:	04		1	:	1 Married
-	1 Unknown.		1 Married	5 12 10 9 10 8	8 8 7 7 6	1 4 2 2 1 2 29 Single			33 19 22 31 18 23 2	30 16 18 26 16 22 2	1	2 1 8 4 1 1-	1 1 2 Unknown.		1 10 Married	2 2 2 4 1 25 Single	04	1 Married	:	04		1	:	1 Married
-	1 Unknown.		1 Married	12 5 12 10 9 10 8	8 8 8	2 1 4 2 2 1 2 29 Single			21 33 19 22 31 18 23 2	17 30 16 18 26 16 22 2	1 1 1 1 8 Single	2 1 8 4 1 1-			1 10 Married	2 2 2 4 1 25 Single	04	1 Married	:	04		1	:	1 Married
-	1 Unknown.		1 Married	13 12 5 12 10 9 10 8	10 8 3 8 8 7 7 6	2 2 1 4 2 2 1 2 29 Single	1 1 1 2		20 21 33 19 22 31 18 23 2	19 17 30 16 18 26 16 22 2	1 1 1 1 8 Single	3 2 1 8 4 1 1	1 1 2 Unknown.	63	1 2 1 10 Married	2 2 2 4 1 25 Single	04	1 Married	:	04		1	:	1 Married
			1 Married	17 13 12 5 12 10 9 10 8	8 10 8 3 8 8 7 7 6	5 2 2 1 4 2 2 1 2 29 Single }	3 1 1 1 2		29 20 21 33 19 22 31 18 23 2	27 19 17 30 16 18 26 16 22 2	1 1 1 1 1 1 8 Single }	3 2 1 3 4 1 1-	1 1 2 Unknown.	63 63	3 1 1 2 1 10 Married	3 2 2 2 2 4 1 25 Single	04	1 Married	:	04		1	:	1 Married
	1 1 Unknown.		1 Married	15 17 13 12 5 12 10 9 10 8	8 8 10 8 3 8 8 7 7 6	4 5 2 2 1 4 2 2 1 2 29 Single	1 1 1 2		18 29 20 21 33 19 22 31 18 23 2	15 27 19 17 30 16 18 26 16 22 2	1 1 1 1 1 1 8 Single }	3 2 1 8 4 1 1	1 1 2 Unknown.	03 03 03 03 03 03 03 03 03 03 03 03 03 0	1 2 1 10 Married	2 3 25 Single	04	1 Married	:	04		1	:	1 Married
-			1 Married	15 17 13 12 5 12 10 9 10 8	8 10 8 3 8 8 7 7 6	4 5 2 2 1 4 2 2 1 2 29 Single	3 1 1 1 2		17 18 29 20 21 33 19 22 31 18 23 2	16 15 27 19 17 30 16 18 26 16 22 2	1 1 1 1 1 1 8 Single }	3 2 1 3 4 1 1-	1 1 2 Unknown.	63 63	3 1 1 2 1 10 Married	3 2 2 2 2 4 1 25 Single	04	1 Married	:	04		1	:	1 Married
			1 Married	10 15 17 13 12 5 12 10 9 10 8	8 8 10 8 3 8 8 7 7 6	4 5 2 2 1 4 2 2 1 2 29 Single	3 1 1 1 2		18 29 20 21 33 19 22 31 18 23 2	16 15 27 19 17 30 16 18 26 16 22 2	1 1 1 1 1 1 8 Single }	3 2 1 3 4 1 1-	1 1 2 Unknown.	03 03 03 03 03 03 03 03 03 03 03 03 03 0	3 1 1 2 1 10 Married	2 3 25 Single	04	1 Married	:	04		1	:	1 Married

TABLE XXVIII. -Continued. - Deaths from Consumption, 1878.

	So and over.   Unknown.	-	1	:	1	1	1	1	1	1	1	1	1	-	:	1	-	-	-	1	-	-	
	108 01 67 1		1:	-	1	1	-	3	-	1	:	1	-	T	-	-	1	-		-	-	-	
2	20 00 02	:	1.	1	1	1	1	1	1	1	:	1	*	i	:	4	-	2	- +		1	-	
18.	.07 01 58	1	2	7:	- 1	1	- 1	1	1	1	1	- 1	-1	1	. :	1	4	1	- 1	-	-		
7.8	.60 to 65.	:	1	- :	1	i	+	4	:	1	1	:	1	1	1	1	;	- 1	-	1	. :	-	
ui	.05 to 60.	-		-	-	1	1	1	:	3	-	12	1	-	:	3	-	-:	-	-	:	-	
YEARS,-1878	gg o1 0g	-	1	1	-	-	5	*	-	1		-	-	3	1	*	1	1	- 4		1	-:	
	45 to 50.		1	-	1	1	;	1	1	-	1	1	1	-	1	:	1	1	1	1	1	-	
AO.	40 to 45.	1	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	-	-	1		
PRRIODS	35 to 40.			1	1	1	1	1	1	_	1		1	1	1	1	-	64			1		
RRI	.68 ot 08	1	-	1	_	1	1	1	1	20	67	_	1	1	1	1	1	20	1	21			
IN F	25 to 80.	91	_	_	1	1	-			01	-	91	1	1	1	1	1	00	1	01	0	1	
AGES	20 to 25.	-	1		-	1	-	1	1	00	1	200		1	:	-	:	0	-	9	-	-	
AG	15 to 20.	-	-	:	1	-	-	1	1	00	1	60	-	-	_	9	1	9		9	1	-	
	.dl o1 01	:	1	-	1	-	1	:	-	-	-	-	-	7	1	-	-	-	-	-	-	=	
	5 to 10.	-:	1	1	1	-	1	1	1	1	1	:	1	1	1	1	1	1	1	-	1	7	
_	Under 5.	1	1		1		1	1	1	-			-1			:	1	-	1	1	1	1	
	SEX AND OCCUPATION		Milliners.		Music Teachers.	Paper Pickers	Paupers.	Physicians.	Physicians' Wives.	1	Seamstresses.		Servants.	1	Students.		Tailoresses.	-		Teachers.		-	
	GAL ION,	1	1	1	1	- 1	-	- 2		-	1	1	1		- 10		-	-		-	-	-	
	CONDITION	Total	Married.	Single	Married.	Single	Single	Married	Married	Total	Married	Single	Single	Total	Married	Single	Widowed	Total	Married	Single	Widowed	Unknow	
	YEAR, CONDET	5 Total	3 Married.	2 Single	2 Married.	1 Single	1 Single	1 Married.	1 Married.	12 Total	2 Married	10 Single	2 Single	Il Total	J Married	10 Single	1 Widowed	25 Total	6 Married	16 Single	2 Widowed	1 Unknown.	
			_		_	1 Single	1 Single	1 Married	. 1 Married.				_		1 Married	_	_	_	_	_		I Unknown	-
	YEAR, 1878.	10	00	01	_	1 Single	1 Single	-	1 Married	12		10	_		J Married	10	-	3 1 25	_	16		Less 1 1 Unknown	-
	Unknown.	10	00	01	_	1 1 Single	1 Single	-	1 1 Married.	19		10	_		1 Married	10	-	1 25	_	2 2 16		II Tuknowi	
	December. Unknown.	10	00	01	_	1 1 Single	1 Single	-	1 1 Married	19		10	_		1 Married	10	-	3 1 25	_	2 16		The land of the second	*
	November.	10	00	01	_	1 1 Single	1 Single	-	1 1 Married	- 22 - 13		1 2 10	_		1 Married	10	-	2 3 1 25	_	2 2 16		The land of the la	*
78.	October.   November.   December.   Unknown.	10	00	01	_	1 single	1 Single	-	1 1 Married.	1 1 2 12		1 2 10	_		I 1 Married	10	-	3 2 3 1 25	_	2 2 2 16		The land of the second	-
, 1878.	September.   November.   December.   Unknown.	10	00	01	_	1 Single	1 Single	L	1 1 Married.	2 1 1 2 12		1 1 1 2 10	_		1 1 Married	10	-	1 3 3 2 2 3 1 25	30, 1, 1, 1 6	2 2 2 16		The lower	The state of the s
	August.   September.   October.   Toccember.   Toccember.   Unknown.	10	00	01	_	1 Single	1 Single	L	1 Married.	2 1 1 2 12		1 1 1 2 10	_	1 1 1 1 1 1 1 1 1	1 1 Married	1 1 10	-	1 3 3 2 2 3 1 25	_	2 2 2 16		The There are a second	
	July. August. September. December. December. Torknown.	10	00	01	_	1 Single	1 Single	L	1 1 Married	2 1 1 2 12		1 1 1 2 10	_	1 1 1 1 1 1 1 1 1	1 1 Married	1 1 10	-	1 3 3 2 2 3 1 25	30, 1, 1, 1 6	2 2 2 16		The state of the s	
MONTUS, 1878.	June. July, August. September. October. November. December. The Control of the co	10	00	01	_	1 Single	1 single	L		2 1 1 2 12		1 1 1 2 10	_	1 1 1 1 1 1 1 1 1	Married	1 1 10	-	1 3 3 2 2 3 1 25	30, 1, 1, 1 6	2 2 2 16		The state of the s	- I - I - I - I - I - I - I - I - I - I
	Any.  June.  July.  August.  September.  Sovember.  December.  Movember.  Movember.	10	00	01	_	1 Single	1 single	L	1 Married.	2 1 1 2 12		1 1 1 2 10	_	1 1 1 1 1 1 1 1 1	Married	1 1 10	-	1 3 3 2 2 3 1 25	30, 1, 1, 1 6	2 2 2 16		The state of the s	
	April.    May.   June.   June.   Juny.   August.   September.   October.   December.   Tovember.   Tovember.   Tovember.	10	00	01	_	1 Single	1 1 Single	L		2 1 1 2 12		1 1 1 2 10	_	1 1 1 1 1 1 1 1 1	1 1 Married	1 1 10	-	1 3 3 2 2 3 1 25	30, 1, 1, 1 6	2 2 2 16		The state of the s	

ķ	:	1	- 0	1		1	:
;	- 1		1	1	1	:	
4 2	11	1	-	-	1	1	1
4	1	-	0.0	1	;	4	-:
00	-5	4	60	3 5	* * * *	_	1
-	-	3			-	-	-
100	-	1		-	-	1	1
10	-		-		-		-
				i	1	1	_
-	24	1	1		1	1	
	1	1	i	1	1	1	C4
01	1	04	-	1	-		-
2	-	*	i	1	1	1	1
61	00	10	-	1	+	7	1
-	24	12		-	-	1	1
	-		i	1	1	:	1
01	:	21	- 1	- 1		1	1
01	-:	38 2 12		- 1	1	- 1	1
38 2 15	-	38	1	-	-	1	
		yod.			ome	13.	4
		Unemployed.	5		Washer-women.	Weavers.	Wives.
rotal	Marriod		Widowed.	Unknown.			-
114 Total	10 Married	So Single   Unemployed.	12 Widowed.	3 Unknown.	9 Widowed. Washer-women	1 Widowed. Weavers.	6 Married Wives.
		So Single	21	8 Unknown.	. Widowed.	1 Widowed.	6 Married
	<b>.</b>		1 12 Widowed.	:	. Widowed.	1 Widowed.	6 Married
9 14		So Single	1	:	. Widowed.	1 Widowed.	6 Married
9 14	; ;	So Single	1	•	. Widowed.	1 Widowed.	-
	<b>.</b>	So Single	21	:	Widowed.	1 Widowed.	6 Married
9 14	; ;	10 4 9 89 Single	1	:	. Widowed.	1 Widowed.	1 2 6 Married
9 14	; ;	10 4 9 89 Single	1	:	. Widowed.		6 Married
9 01 11	; ;	12 10 4 9 89 Single	2 1 12	:	9 Widowed.	1 1 Widowed.	1 2 6 Married
9 14 10 8 14 -	: 20 ::	12 10 4 9 89 Single	1		9 Widowed.	1 1 Widowed.	1 1 1 2 6 Married
9 14 10 8 14 -	; ;	12 10 4 9 89 Single	2 1 12	:	9 Widowed.	1 1 Widowed.	1 1 1 2 6 Married
9 01 11 0	: 20 ::	12 10 4 9 89 Single	2 1 12		9 Widowed.	1 1 Widowed.	1 2 6 Married
9 14 10 8 14 -	;; ;; ;; ;;	12 10 4 9 89 Single	2 1 12		9 Widowed.	1 Widowed.	1 1 1 2 6 Married
9 14 10 8 14 -	: 20 ::	12 10 4 9 89 Single	2 1 12		9 Widowed.	1 1 Widowed.	1 1 1 2 6 Married

EXHIBIT Q.—The Average Age of the Inhabitants of Michigan, of both Sexes, of each Sex, and the difference between the Sexes, for All Living June 1, 1870, and All Returned as having Died during the Year ending June 1, 1870, as Compiled from the U. S. Census of that date; for All Returned as having Died from Consumption during the Years 1870 to 1878, inclusive, for all returned as having died from All Causes during the years 1870 to 1878, inclusive; as shown by the Registration Returns; for All Living Aged 20 and Over as per Census June 1, 1870; for All Aged 20 and Over whose Ages and Occupations were stated in the Registration Returns of Deaths for the Years 1870 to 1878, inclusive, and for the Native and Foreign-born Inhabitants Returned as having Died during the Years 1873 to 1878, inclusive.

	YEAR		GE AG		YEAR.
	ENDING:	Total.	Males.	Fe- males.	Excess, Males.
Deaths, as per Census	June 1, 1870.	24.79 24.32 38,23	25.17 24,91 38.61	24.39 23.68 37.80	.78 1.23 .81
Deaths, as shown by Registration Returns Deaths from Consumption, by Registration Returns	1 1	23,50 34,95	24.05 36.89	22,89 33,14	1.16 3.75
All aged 20 and over whose occupations were stated in Registration Returns of Deaths		51.01	52.45	45.96	6.49
all who died aged 20 years and over according to that Life Table	1		63.72	62,02	1.70
Deaths, as shown by Registration Returns	Dec. 81, 1871.	25,63 51.44	26.78 52.79	24.50	2.28 6.34
Deaths, as shown by Registration Returns Deaths from Consumption, by Registration Returns	1 1	24.17 35.05	25.09 39,10	23.17 31,19	1,92
All aged 20 and over whose occupations were stated in Registration Returns of Deaths	Dec. 31, 1872.	50,73		47.08	4.82
All who died aged 20 years and over, as shown by Registration Returns	1	49.72	51.57	47.42	4.25
Deaths, as shown by Registration Returns Deaths of Native-born Inhabitants, as shown by Regis-	1 1	31.20	31.95	30.14	1.81
tration Returns		27.25	27.76	26.71	1,05
tration Returns.  Deaths from Consumption, by Registration Returns. All aged 20 and over whose occupations were stated in	Dec. 31, 1873.	43,87 37,81	40,68 40,20	42,85 35,77	-1.67 4.43
Registration Returns of Deaths		50.17	56.51	48,27	8.24
tration Returns	,	49,87 25.33	25,78	24.09	,83
Deaths, as shown by Registration Returns Deaths of Native-born Inhabitants, as shown by Regis- tration Returns		20.26	23,99	20,25	3.74
Deaths of Foreign-born Inhabitants, as shown by Regis- tration Returns Deaths from Consumption, by Registration Returns	Dec. 31, 1874.	47.15 36.48	47.99 39.90	46.13	1.86
All aged 20 and over whose occupations were stated in Registration Returns of Deaths		50.77	52.70	48.23	4.47
All who died aged 20 years and over, as shown by Registration Returns	1	50,89	52.84	48.72	4.71
Deaths, as shown by Registration Returns	) (	25.32	26,31	24.38	1.95
Deaths of Native-born Inhabitants, as shown by Regis- tration Returns.  Deaths of Foreign-born Inhabitants, as shown by Regis-		20,17	20.78	19.88	,85
tration Returns.  Deaths from Consumption, by Registration Returns		46.90 35,77	48.68 38.19	44.49 33.58	4.19
All aged 20 and over, whose Occupations were stated in Registration Returns of Deaths	Dec. 31, 1875.	51.07	53.29	47.87	5,42
All who died aged 20 years and over, as shown by Registration Returns		50.65	52,79	48.00	4.73
Deaths of Native-born Inhabitants aged 20 years and over, as shown by Registration Returns		50.68	53,86	47.61	6,25
Deaths of Foreign-born Inhabitants aged 20 years and over, as shown by Registration Returns		50.77	52.37	48,54	3,83

#### EXHIBIT Q .- CONTINUED.

	YEAR			EIN YE	YEAR.
The same of the sa	Ending:	Total.	Males.	Fe- males.	Excess, Males.
Deaths, as shown by Registration Returns	) [	25.83	26,79	25,04	1.78
Deaths of Native-born Inhabitants, as shown by Regis- tration Returns		20.86	21.84	20,60	.74
Deaths of Foreign-born Inhabitants, as shown by Registration Returns		47.33	48.91	46.68	9.03
Deaths from Consumption, by Registration Returns		35.70			6.80
All aged 20 and over whose occupations were stated in Registration Returns of Deaths	Dec. 31, 1876.	51.93	54.00	49.89	4.11
All who died aged 20 years and over, as shown by Regis-		51.94	53,91	49.88	1.00
tration Returns					4.08
over, as shown by Registration Returns Deaths of Foreign-born Inhabitants aged 20 years and		51.09	54.46	48,92	5.54
over, as shown by Registration Returns	j	52,25	53.70	51.96	1.74
Deaths, as shown by Registration Returns	7 1	25,89	26.44	25.44	1.00
Deaths of Native-born Inhabitants, as shown by Regis- tration Returns	1	20,30	20.22	20.57	-,35
Deaths of Foreign-born Inhabitants, as shown by Regis-		10000			1
tration Returns Deaths from Consumption, by Registration Returns		49.31 36,34	50.31 39.42	48.00	2.31 5.48
All aged 20 and over whose occupations were stated in	Dec. 31, 1877.				33
Registration Returns of Deaths		51.71	53,80	49,55	4.34
tration Returns		51.88	54.03	49.65	4,38
Deaths of Native born Inhabitants aged 20 years and over, as shown by Registration Returns		51,25	54.13	48.43	5.70
Deaths of Foreign-born Inhabitants aged 20 years and over, as shown by Registration Returns		53.01	53,95	51.78	2.17
	,		1000		
Deaths as shown by Registration Returns Deaths of Native-born Inhabitants, as shown by Regis-	1	26.41	26.99	25.99	1.00
tration Returns		20,74	21.20	21.10	.10
Deaths of Foreign born Inhabitants, as shown by Regis- tration Returns	1	49.75	50.96	48,85	2.11
Deaths from Consumption, by Registration Returns	Annual Section 1	36.67	40.95	33.25	7.70
All aged 20 and over whose occupations were stated in Registration Returns of Deaths	Dec. 31, 1878.	52.45	54.21	50.41	3.80
All who died aged 20 years and over, as shown by Regis- tration Returns		52,40	54.17	50,57	3,60
Deaths of Native-born Inhabitants aged 20 years and		1		-	-
over, as shown by Registration Returns Deaths of Foreign-born Inhabitants aged 20 years and		51.01	54.20	49,57	4.63
over, as shown by Registration Returns	)	53.84	54.88	53.15	1.73

Table XXIX. contains data concerning the influence of occupations upon the death-rate. Of all the decedents in 1878 aged 20 years and over, the average age was 52.39 years. Excepting Class VIII.,—Soldiers,—of which there was only one decedent in 1878, the decedents in Class VI. show the smallest average age, being only 41.83 years; and excepting the unemployed, Class I.,—cultivators of the earth,—shows the greatest average age, being 58.73 years.

39-1878.

TABLE XXIX.—Exhibiting, for Decedents Aged 20 Years and Over, in 1878, by Classified Occupations, the Number and the Aggregate and Average Ages of All returned, of All whose Occupations and Ages were returned, and of All whose Occupations were not Specified, One-half of a Year added to Age of each Person in place of Months and Days excluded.

CLASS.	OCCUPATIONS,—1878.	Number	AGE IN	
V	033021110110, 2311	Persons.	Aggregate.	Average
	ALL AGED 30 YEARS AND OVER	5,835	305,700,50	52.35
	ALL SPECIFIED OCCUPATIONS,—AGED 30 YEARS AND OVER.	5,272	276,4119.50	52.45
	OCCUPATIONS UNSPECIFIED,—AGED 20 YEARS AND OVER	563	<b>29,2</b> 01,00	51.87
I.	CULTIVATORS OF THE EARTH	1,444	84,799.50	58,73
II.	ACTIVE MECHANICS ABROAD	163	8,552.50	59.47
III.	ACTIVE MECHANICS IN SHOPS	187	10,065.50	53.51
IV.	INACTIVE MECHANICS IN SHOPS	102	5,834.50	52.8
v.	LABORERS,—NO SPECIAL TRADE	412	18,813.50	45.00
VI.	AGENTS, LABORERS ABROAD, ETC	117	4,894.50	41.8
VII.	SEAFARING MEN	21	1,007.50	47,98
VIII.	SOLDIERS	1	32.50	82,50
IX.	Business Men	206	9,920.50	48.16
X.	PROFESSIONAL MEN	76	4,058,50	53,40
XI.	UNEMPLOYED	97	5,721.50	58.93
XII.	FEMALES	2,446	123,299.60	50.41
ı.	CULTIVATORS OF THE EARTH	1,444	81,799.50	59,73
	Farmers	1,425	83,720.00	58,76
	Farm Laborers	1	59,50	59,50
	Farmers, Retired	4	280.00	70.00
	Farmers' Sons	2	45.00	22.50
	Fruit-growers	2	81.00	40,50
	Gardeners	10	614.00	61.40
II.	ACTIVE MECHANICS ABROAD	163	8,552.50	52.47
	Brick-layers	2	82.00	41.00
	Carpenters	95	5,042,00	53.07
	Carpenters and Joiners	3	182,00	60.67
	Joiners	3	178.00	59.33
	Masons	80	1,687.00	56,23
	Painters	22	897.00	40.77
	Ship-builders	1	42.50	42.50
	Ship-carpenters	5	330.00	66.00
	Stone-masons	2	112.00	56.00

## TABLE XXIX.—CONTINUED.—Occupations of Decedents in 1878.

CLASS.	OCCUPATIONS,—1878.	Number	AGE IN AND 10	YEARS Oths.
		Persons.	Aggregate.	Average
III.	ACTIVE MECHANICS IN SHOPS	187	10,065.50	53.8
	Bakers	3	197,00	65.6
	Blacksmiths	39	2,380.00	61,0
	Boiler-makers	1	42.50	42.50
	Brewers	10	472.00	47.20
	Broom-makers	1	26.50	26.50
	Brush-makers	1	39.50	39.50
	Cabinet-makers	3	173,00	57.67
	Carriage-makers	3	151.00	50,33
	Confectioners	2	94.00	47.00
	Cooks	1	26,50	26.50
	Coopers	11	607.00	55.18
	Dyers	1	65,50	- 65,50
	Engineers	14	545.00	38.98
	Finishers.	2	43.00	21.50
	Gunsmiths	1	54.50	54.50
= 11	Locksmiths	2	100.00	54.50
	Machinists	13	634.00	48.77
	Marble-cutters	2	88.00	44.00
	Mechanics	28	1,589,00	56.75
	Millers	7	418.00	59,71
	Millwrights	6	389.00	64.83
	Model-makers	3	189,00	63,00
	Molders	3	110.00	36,67
	Piano-makers	1	71.50	71.50
	Plumbers	9	68,00	34.00
	Saw-makers.	1	28.50	28.50
	Sawyers.	3	140.00	46.67
	Shingle-makers	1	33.50	33,50
	Smelters.	1	44.50	44.50
	Silversmiths.	1	63.50	63,50
1	Stone-cutters	2	115.00	57.50
	Tanners.	1	46.50	46.50
	Tinkers	1	70,50	70.50
1	Tinsmiths	5	241.00	48.20
		7	414.00	59.14
	Wagon-makers	1	56,50	56,50
	and the second s	100		56,50
	Wheelwrights	2	173.00 56.50	06.00

TABLE XXIX.—Continued.—Occupations of Decedents in 1878.

CLASS.	OCCUPATIONS,—1878.	Number of	100t	RARS AND hs.
	,	Persons.	Aggregate.	Average
IV.	INACTIVE MECHANICS IN SHOPS	102	5,334.50	52,3
	Barbers	5	220.00	44.0
	Cigar-makers	8	252.00	31.5
	Glove-makers	1	88,50	38.5
	Harness-makers	7	843.00	49.0
	Jewelers	11	488,00	44.8
	Printers	7	270.00	38.5
	Shoe-makers	30	1,956,00	65.2
i	Tailors	27	1,608.00	59.5
	Telegraph Operators	6	159.00	26.5
v.	LABORERS-NO SPECIAL TRADES	412	18,813.50	45.6
	Blasters	1	47.50	47.5
	Bosses in Lumber Camps	1	35.50	35.5
	Brick-makers	3	194.00	64.6
	Colliers	1	52.50	52.5
	Firemen	1	31.50	31.5
	Firemen in Mills	1	28.50	24.5
	Grave-diggers	1	57.50	57.5
	House-workers	1	20,50	20.5
	Laborers	854	16,329.00	46.1
	Miners	34	1,431.00	42.0
	Packers	1	67.50	67.5
	Porters	1	48.50	48.5
	Raftsmen	1	23.50	23.5
	Salt-packers	1	62.50	62.5
	Scalers	1	83.50	33.5
	Servants	1	22.50	22.5
	Stewards	1	23,50	23.5
	Warehouse-men	1	38.50	38.5
	Watchmen	1	31.50	31.5
	Well-diggers	1	55,50	55.5
	Whitewashers	1	73.50	78.50
	Wood-choppers	1	55,50	55.30
	Woodsmen	2	50,00	25.0
VI.	AGENTS, LABORERS ABROAD, ETC	117	4,894.50	41.8
	Agents	6	258,00	-43.00
	Auctioneers	1	53.50	53,50

## TABLE XXIX.—Continued.—Occupations of Decedents in 1878.

CLASS.	OCCUPATIONS,—1878.	Number	AGE IN AND 1	YEARS Ooths.
		Persons.	Aggregate.	Average.
VI.	AGENTS, LABORERS ABROAD, ETC.—(Continued.)			
	Baggage-men	2	93.00	46,5
*	Brakemen	12	335.00	27.9
	Butchers	10	462.00	46.2
	Car Inspectors	1	41,50	41.5
	Coachmen	1	24.50	24,5
	Commercial Travelers	- 1	27.50	27.8
	Constables	2	68.00	34.0
	Draymen	2	87.00	43.5
	Drivers	1	53.50	53,5
	Drovers	2	62,00	31.0
	Farriers	1	56.50	56,5
	Foremen.	1	48.50	48.5
	Hostlers	1	40.50	40.5
	Hunters	4	152,00	38.0
- 3	Light-house Keepers	1	34,50	34.5
	Livery-keepers	4	177,00	44.9
	Lumbermen	20	954.00	47.7
	Mine Captains.	2	96,00	48.0
- 7	Musicians	1	85.50	35.5
1.0	Peddlers.	6	305.00	50.8
	Policemen	3	139,00	46.2
	R. R. Conductors	2	66.00	33.0
		3	116.00	38,6
2.19	R. R. Engineers	2	77.00	38,5
	R. E. Men	6	210.00	35,0
		1	76.50	76.5
		1	41.50	41.5
	Stall-keepers in Market	-07	10.00	89.7
- 1	Teamsters	12	477.00	
	Toll-keepers	2	128.00	64.0 32.5
99	Traveling Agents	1. 50	65.00	1
200	Yard-masters	1	33.50	33.5
VII.	SEAFARING MEN	21	1,007.50	47.9
	Captains of Tugs.	1	42.50	425
	Fishermen	4	214.00	53.5
- 10	Sailors	14	606,00	42.2
99	Sea Captains	1	79,50	79.5
- 21	Steamboat Captains	1	65,50	65.5

# TABLE XXIX.—Continued.—Occupations of Decedents in 1878.

CLASS.	OCCUPATIONS,—1878.	Number	AGE IN Y	EARS AND
		Persons.	Aggregate.	Average
VIII.	SOLDIERS	1	32.50	32.5
	Soldiers, Retired	1	32.50	\$2.50
IX.	BUSINESS MEN	206	9,920.50	48.1
	Bankers	4	222 00	55.5
	Book-keepers	8	312,00	39.0
	Boot and Shoe Dealers	1	39.50	39.5
	Builders	1	70.50	70,5
	Cattle Dealers	1	25.50	25,5
	Clerks	28	844.00	30.1
	Clothiers	2	130.00	63 0
	Collectors	1	28.50	28.5
	Contractors	2	118.00	59.0
	County Clerks	1	54.50	54.5
	Deputy U. S. Marshals	1	63,50	63,5
	Druggists	7	279.00	39.8
	Express Agents	2	116.00	58.0
	Fur Dealers	1	77.50	77,5
	Furniture Dealers	-1	61.50	61.5
	Grain Dealers	3	191.00	63.6
	Grocers	9	496.00	55.1
- 69	Hardware Merchants	1	33.50	33.5
		1	74.50	74.5
	Hatters	1	35.50	35.5
	Hotel Clerks	21	1,026,00	48.8
	Hotel-keepers	700	-	
	Insurance Agents	3	137.00	45.6
	Jobbers	1	79.50	79.5
	Justices of the Peace.	3	230.00	76.6
	Land Agents	1	58,50	58.5
- 1	Landlords	2	102.00	51.00
	Liquor Merchants	1	42,50	42.5
	Lumber Inspectors	1	69.50	63.5
	Manufacturers	36	439.00	49,9
	Merchants	42	2,257.00	55,95
	Merchants, Retired	2	168.00	74.0
100	Mill-owners	1	\$2.50	60.5
	Music Dealers	1	28.56	28,50
	Notaries Pul	1	85,50	68.50

## TABLE XXIX.—Continued.—Occupations of Decedents in 1878.

	OCCUPATIONS,—1878.	Number	AGE IN YI	EARS AND
LASS.	OCCUPATIONS,—ISIO.	Persons.	Aggregate.	Average.
IX.	Business Men-(Continued.)			
200	Photographers	1	34.50	34.50
	Postmasters	1	57.50	57.5
	Real Estate Dealers	2	105.00	52,5
	Registers of Deeds	1	31.50	31.5
	Salesmen	4	130.00	32,5
	Saloon-keepers	25	1,143.00	45.7
	Stave and Barrel Manufacturers	1	29.50	29.5
	Ticket Agents	1	69.50	69.50
	Undertakers	2	106,00	53.0
	Wood Dealers.	1	64.50	64.5
	Woolen Manufacturers	1	62.50	62.5
X.	PROFESSIONAL MEN	76	4,058.50	53.4
MIN	Artists	1	30.50	30,5
	Attorneys	2	87.00	43.5
	Capitalists	1	56.50	56.5
	Dentists	3	116.00	38.6
	Editors	1	30,50	30,5
	Judges	1	65.50	65.5
	Lawyers	9	477.00	53.0
	Ministers	15	970.00	64.6
	Music Teachers	1	35,50	35.5
	Physicians	25	1.441.00	57.6
	Students	3	68,00	22.6
	Teachers	14	681.00	48.6
XI.	UNEMPLOYED	97	5,721.50	58,9
	Gentlemen	1	80.50	80.5
	Paupers	4	191.00	47.7
	Retired	2	144.00	72,0
	Tramps	2	46,00	23.0
	Unemployed	88	5,260,00	59.7
XII.	FEMALES	2,446	123,299,00	50.4
	Astrologists	1	42.50	42.5
	Bakers	1	24,50	24.5
	Basket-makers	2	147.00	73.5
	Blacksmiths	1	25.50	25.5

TABLE XXIX.—CONTINUED.—Occupations of Decedents in 1878.

A88.	OCCUPATIONS,—1879.	Number	AGE IN YEARS AND 100ths.	
		Persons.	Aggregate.	Average
KII.	FEMALES—(Continued.)			
	Book-keepers	2	77.00	38.
	Carpenters' Wives	8	110.00	36.0
	Courtesans	1	36.50	36.
	Domestics	21	809,00	25
	Dress-makers	14	521.00	37.
	Farmers	196	10,594.00	54.
,	Farmers' Daughters	5	127.00	25.
	Farmers' Wives	123	6,431.00	52
	Gardeners	1	62.50	62.
	Gardeners' Wives	1	26,50	26.
	Gunsmiths' Wives	1	57.50	57.
	Hair-dressers	1	33.50	33
	Hotel Servants	2	53.00	96
	Housekeepers	578	29,945.00	59
	Housewives	1,043	50,446.00	! j 48
	House-workers	79	3,764.00	47
	Knitters	1	88,50	88
	Laborers	11	479,00	43
	Laborers' Wives	2	89.00	44
	Landladies	2	92.00	46
	Laundresses	9	124.00	63
	Lawyers	1	53,50	55
	Lawyers' Wives	2	88.00	4
	Masons' Wives	1	47.50	47
	Matrons	8	375 00	46
	Mechanica' Wives	2	126.00	63
	Merchants	5	217.00	43
	Merchants' Wives	1	33.50	33
	Midwives	3	183.00	61
	Milliners	9	320.00	3
	Ministers	1	38.50	335
	Music Dealers	;	22.50	95
	Music Teachers	1	24.50	24
		1	270.00	67
	Nurses	_		78
	PaupersPhysicians	3	78.50 160.00	53

## CAUSES OF DEATH,—OCCUPATIONS.

## TABLE XXIX.—CONTINUED.—Occupation of Decedents in 1878.

CLASS.	OCCUPATIONS.—1878.	Number	AGE IN YEARS AND 100ths.		
CLASS.	CLASS.		Persons.	Aggregate.	Average.
XII.	FEMALES—(Continued.)				
	Physicians' Wives	2	53.00	27.50	
	Printers' Wives	1	39.50	39.50	
	Retired	8	212.00	70,67	
	Saleswomen	1	34.50	34,50	
	Seamstresses	14	482,00	84.43	
	Servants	12	371.00	30.92	
	Spinsters	3	216.00	72.00	
	Students	1	20.50	20,50	
	Tailoresses	7	467.00	66.71	
	Toachers	25	796,00	31.84	
	Unemployed	2!9	12,950.00	59.13	
	Washerwomon	1	53.50	58.50	
	Weavers	8	576.00	72.00	
	Wives	17	788.00	46,06	

<sup>40-1878.</sup> 



	PAGE.
Age, Number of Persons Married at different periods of,	83-90, 94
Age, Average, of Decedents Aged 20 and Over, by Classified Occupations	
Age, Average, of Persons Married in 1875-1878, by Nativity	
Ages, Deaths by, by Months and by Sex	
Ages, Deaths by, by Sex and excess of the Sexes	115-116
Ages of Persons who Died, by Months of Death	116-117
Ages of Persons who Died in 1878.	
All Ages, Deaths from Old Age, Aged 70 and Over, and Under 5 Years, by Counties	290-291
All Causes, Consumption, Pneumonia, Typhold Fever, Diarrhea, etc., by Counties	286-287
Austria, Inhabitants to One Marriage in,	102
Average Age of Decedents Aged 20 and Over, by Occupation	
Average Number of Births per Quarter, Month, Week, and Day	
Average Number of Deaths per Quarter, Month, Week, and Day	103
Average Number of Marriages per Quarter, Month, Week, and Day	70
at total of the transfer per tanteer, mount, it con, and but	10
B.	
Bavaria, Inhabitants to One Marriage in,	102
Belgium, Inhabitants to One Marriage in	
Births, Corrected for Omissions in Enumerating	
Births by Counties, by Color, by Sex, and Proportion of the Sexes.	
Births by Counties, Parent-Nativity, and Sex	
Births, Deaths, and Excess of Births by Parent-nativity, for 1873-1878.	
Births and Deaths, Returned, which Occurred out of Michigan.	
Births of Illegitimates, Proportion of, to Total Births for 1873-1878.	
Births in 1878, Conceptions for, by Months	
Births in 1878, Number and Proportion of, by Sex, by Parent-Nativity	99
Births, Males to 100 Females	1000
Births in Michigan during the Year 1878 x,-xii, xvi., xviii, xvi.	
Birth-Months Most Favorable to the Life of a Child	131
Births, by Months, Corrected for Omissions, for the Years 1875-1878	
Births, by Months Equalized, by Sex	
Births, by Months in Order, greatest first, Number and Proportion of, for 1873-1878	
Births, Marriages, and Deaths for Certain Periods of Time	
Births, Marriages, Deaths, and Excess of Births Over Deaths, 1873-1878	
Births, Marriages, and Deaths in 1878, and Population in 1874, by Countiesxvi	
Births, Marriages, and Deaths, Relations of.	
Births, Marriages, and Deaths, Statements Concerning,	X.
Births by Parent-Nativity	
Births, Per Cent. added to Correct for Omissions in Enumerating	1
Births, Per Cent. of, as Returned and as Corrected for Omissions, for each of the Years 1871-8.	-
Births, Per Cent. Returned of those which probably Occurred.	
Births per Quarter, Month, Week, and Day, as Returned and as Corrected	9
Births by Quarters, for the 1 cars 18/3-18/8, as Returned and as Corrected	48

	PAGE.
Births during the Year 1878, by Months	- 5
Births of Males during the Year 1878, by Months	
Births of Females during the Year 1878, by Months.	
Births during the Year 1878, by Months and Sex	
Births in 1878, as Corrected for Omissions, Equalized to Uniform Months	
Births by Counties, by Months, and by Sex	12-19
Births by Color and by Sex, and Proportion of the Sexes	20
Births, Parent-Nativity of, 1873-1878.	30
Births of Twins, 1878, Occupations of Fathers of,	50
Births of Illegitimates, by Months, Sex, and Parent-Nativity	58
Births of Illegitimates by Color, Sex, and Proportion of the Sexes.	59
Birth-rate, Proportion of Sexes.	20
Births, Relation of, to Marriages in Months of their Conception	
Births,—Sex of Children	
Bowels, Brain, Heart, Throat, and Lungs, Diseases of,	
Brain, Bowels, Heart, Throat, and Lungs, Diseases of,	160-161
Brides and Bridegrooms, Proportion of, by Periods of Age	94
Bridegrooms and Brides, Nativity of,	81, 82
C.	
Cancer, Deaths from, in 1878	400 AU
Cancer, Deaths from, in 1878	244-247
Cancer, Deaths from,	
Casualty, Deaths from,	
Causes of Deaths, Classified	
Causes of Deaths, Dr. Farr's Classification 158,	
Causes of Deaths, Fifteen Principal, 1873-1878	
Causes of Deaths, Five Groups of,	
Causes of Deaths, Specified, by Months, Sex, and Periods of Age	
Cephalitis, Deaths from, in 1878	
Cerebro-spinal Meningitis, Deaths from, in 1878	
Children Born in 1878,—Died Aged Under One Year	122
Classes, Deaths by, by Geographical Divisions of the State	163
Classified Causes of Deaths, by Counties, 1878,	164-193
Classified Causes of Deaths, 1874-1878	157-159
Classified Occupations of Decedents, Aged 20 and Over, Average Age, etc	310-317
Color, Deaths by, by Counties	152-154
Color, Deaths by, by Sex, Per Cent. of each Color	
Color of Illegitimate Children, by Sex	
Color of Decedents in Michigan, in 1878	
Color of Persons Married in Michigan	
Color, Marriages by, by Counties	
Color or Race, Births by,	20
Comparative Natural Increase of Native and Foreign-born Inhabitants, 1873-1878	XVI.
Conceptions for Births in 1878, by Months	
Constitutional Diseases, Deaths from,	
Consumption, Deaths from, in 1878	
Consumption, Occupation of Decedents from, by Sex, Months, Periods of Age, etc.	
Consumption, More Deaths from, in 1877 than for 1878.	
Consumption and Pneumonia, Correlation of	
Consumption, Pneumonia, Typhoid Fever, etc., by Geographical Divisions	
Consumption, Pneumonia, Typhoid Fever, Diarrhea, etc., by Counties	286-287
Correlation of Consumption and Pneumonia	
Corrections for Omissions in the Enumeration of Deaths	
Counties, Deaths by, by Color, by Sex	
Countles, Causes of Deaths by, Classified	164-193
Counties, Deaths by, from Consumption, Pneumonia, Typhoid Fever, Diarrhea, etc	
Counties, Deaths by, from Old Age, Aged 70 and Over, Under 5, etc	
Countles and Months, Marriages by,	75, 76
Counties, Months, Periods of Age, and Sex, Deaths by,	
Counties, Months and Sex, Births by,	12-19
Countles, Parent-Nativity, and Sex, Births by,	31-38

and the same of th	PAGE.
Counties, Parent-Nativity and Sex, Twin Births by,	42-49
Counties and Townships reported as having no Births in 1878	61
Counties and Townships from which no Returns of Births, for 1878, were received	62
Counties and Townships from which no Returns of Deaths, for 1878, were received	136
Counties and Townships reported as having no Deaths in 1878	150
Counties, Twins, Illegitimate, and Still-born Children, by,	60
Croup, Deaths from, in 1878	258, 259
D.	
Day, Weck, Month, Quarter, Average Number of Births per,	1
Deaths Aged Under One Month, Relation of, to Births	134
Deaths, All Causes, Consumption, Pneumonia, Typhoid Fever, Diarrhea, etc., by Counties	
Deaths, Average Number, Per Quarter, Month, Week, Day	103
Deaths, Births, and Marriages in 1878, and Population in 1874, by Countiesxviii	-xxi.
Deaths, Births, and Marriages, Relations of,x	il,-xv.
Deaths, Births, Marriages, Statements concerning,	X,
Deaths, Births, and Excess of Births, by Months, for 1873-1878	xii.
Deaths and Births, Returned, which Occurred out of Michigan in 1878	xvii.
Deaths from Casualty, Specified	239
Deaths of Centenarians	135
Deaths of Children Aged Under One Year, Born in 1877, by Months	132
Deaths by Counties, by Color, by Sex	152
Deaths by Color, by Sex, and Proportion of the Sexes	151
Deaths, 1878, by Classes of Causes, by Divisions of the State	163
Deaths by Classes of Causes, by Months	158
Deaths by Classified Causes, by Counties	
Deaths and Conceptions, Relation between, by Months.	242 65-68
Deaths from Consumption, by Occupation, Conjugal Condition, Sex, Months, etc	
Deaths by Counties, Nativity, and Sex	
Deaths by Counties, Months, Periods of Age, and by Sex.	
Deaths, Fifteen Principal Causes of, 1873-1878.	
Deaths Grouped by Part of Body Diseased, 1873-1878.	
Deaths, 1873-1878, Number and Proportion of, by Months	105
Deaths, Marriages, and Births, for Certain Periods of Time	XI.
Deaths in Michigan during the Year 1878ixxvi., xviHxxi.,	03-317
Deaths, Months Arranged in Order by Number of-for Massachusetts, Michigan, and	
Rhode Island	108
Deaths by Months, Corrected for Omissions in the Enumeration	
Deaths by Months, Sex, and Periods of Age, Specified, for 1873-1878	
Deaths of Native and of Foreign-born Inhabitants	
Deaths, Number and Per Cent. of Each Class to Total, for 1874-1878	158
Deaths, Number and Per Cent of, by Quarters of the Years 1873-1878	104
Deaths, Number and Per Cent. of, by Months and by Sex.	106
Deaths, Number of, as Returned, and as Corrected for Omissions	103
Deaths from Old Age, Aged 70 and Over, under 5, etc., by Geographical Divisions	114
Deaths by Age, by Sex, and Excess of the Sexes	
Deaths by Periods of Age, by Months	117
Death-rate in Michigan	103
Deaths as Returned, Corrected, Equalized, etc	
Deaths in 1878 as Returned and as Corrected, Per Cent, of, to Inhabitants in 1874	103
Deaths as Returned, Equalized, by Months	107
Deaths by Periods of Age, by Sex, by Months	18, 119
Deaths by Ages, by Sex, by Months	20-129
Decedents, 1874-1878, Number and Nativity of,	154
Decedents Aged 20 and Over, by Occupations, Average Age, etc	
nd Inhabitants, Average Age of,	08-309
*Occupation, Classified, Aggregate and Average Age of,	
a Old Age, Aged 70 and Over, under 5, etc., by Counties	
Stants to One Marriage in,	102
Grand Haven, and Marquette, Meteorology at, in 1878	255
158, 159, 163, 164, 171, 174, 181, 1	04, 101

	PAGE.
Diarrhea, Deaths from in 1878	
Diarrhea, Deaths from in July and August, 1873-1878.	268
Diarrhea, Relation of, to Meteorological Conditions	
Diarrhea, Typhoid Fever, Pneumonia, Consumption, etc., by Counties	
Diarrhea, Typhoid Fever, Consumption, Pneumonia, etc., by Geographical Divisions	
Diarrhea and Dysentery, Number and Per Cent. of, by Geographical Divisions	270
Diagramatic Table,—Deaths of Children under One Year of Age	
Diagram No. 1,—Births in 1877 and 1878, and Marriages and Deaths in Months of Conceptions.	
Diagram No. 2,—Marriages for 1876-1878, by Months, Corrected and Equalized	73
Corrected, etc.	112
Diagram No. 4,—Deaths in 1878, by Classes	150
Diagram No. 5,—Deaths from Five Groups of Causes, for 1869-1878	161
Diagram No. 6,—Average Temperature, by Months, for 1875, 1876, 1877, and 1878	249
Diagram No. 7,- Grains of Vapor in Cubic Foot of Air, by Months, for 1875-1878	251
Diagram No. 8,—Atmospheric Pressure, by Months, for the Years 1875-1878	252
Diagram No. 9, -Deaths from Pneumonia, 1875-1878, and Average for 7 Years	278
Diagram No. 10, -Ozone-Day and Night Observations-by Months, for 1878.	280
Diphtheria, Deaths from, in 1878	259, 260
Diphtheria, Mortality from, Constantly increased since 1869	260
E.	
Eleven Geographical Divisions of the State, Counties in Each	162
England, Inhabitants to One Marriage in,	102
Escanaba, Grand Haven, Marquette, and Detroit, Mich., Meteorology at, in 1878	4 255
Exhibit A,-Births, Marriages, Deaths, and Excess of Births over Deaths, 1873-1878	ix.
Exhibit A Births as Returned, by Months, Corrected and Equalized to Population	5
Exhibit A Marriages as Returned, by Quarters, Number and Per Cent. of, for 1873-1878	71
Exhibit A,-Deaths, by Months, and by Sex, Equalized, and Proportion of the Sexes	107
Exhibit B,-Statements Concerning Births, Marriages, and Deaths	X.
Exhibit B Births of Males by Months, Corrected, and Equalized to Population	6
Exhibit B,-Marriages Equalized by Months, Corrected up to Dec. 20, 1879, for 1874-1878	72
Exhibit B,-Deaths, Months arranged in order by number of, in Michigan, Massachusetts,	
and Rhode Island	108
Exhibit C,-Births of Females, by Months, Corrected and Equalized to Population	7
Exhibit C,—Persons Married 1875-1878, Average Age by Nativity	82
Exhibit C,-Deaths in 1878 as Returned, by Months, Corrected, Equalized, etc	109
Exhibit D,-Births, Deaths, and Excess of Births, by Parent-Nativity, for 1873-1878	XVL
Exhibit D.—Births by Months, and Sex, Corrected, Equalized, etc	8
Exhibit D,-Inhabitants to One Marriage Annually, for Different Countries.	102
	110
Exhibit D,—Deaths in 1875-1878, by Months, Corrected for Omissions.	110
Exhibit E,—Relation between Births in 1878 and Marriages in Months of their Conceptions	
Exhibit E,-Births and Deaths, Returned, which Occurred out of Michigan	XVII.
Exhibit E,-Deaths as Returned, Corrected, Equalized to Uniform Months	113
Exhibit F,-Births in 1873-1878, Number and Per Cent. of, by Nativity of Parents	30
Exhibit F,—Deaths by Age, by Sex, and Excess of the Sexes	
Exhibit G,-Deaths by Periods of Age, and by Months	317
Exhibit H,-Deaths, Delinquent Counties and Townships, with Population	136
Exhibit I,—Townships reported as having no Deaths in 1878, showing Population	150
Exhibit J,-Eleven Geographical Divisions of the State, Counties in Each,	163
Exhibit K,-Deaths from Croup, in 1878, and Coincident Meteorology	258
Exhibit L,-Croup and Diphtheria, in 1878, and Coincident Meteorology	250
Exhibit M,-Deaths from Diphtherla, in 1878, and Coincident Meteorology	260
Exhibit N,-Births as Returned, Equalized to Uniform Months	63
Exhibit N,-Consumption, by Months, Equalized to Uniform Length	278
Exhibit O,-Births as Returned, Equalized, and Excess of Males, by Months	64
Exhibit O,-Consumption, by Months, and Coincident Meteorology	274
Exhibit P,-Births, by Sex and by Months, Corrected, Equalized to Population, Equalized	
to Uniform Months	65
Exhibit P,-Deaths from Pneumonia, in 1878, and Coincident Meteorology	276
Exhibit QAverage Age of Decedents, and of Inhabitants	308-300
Exhibit R,-Deaths in Michigan in 1878, Compiled as Casualty	20
Exhibit S,-Deaths from Cancer, Specifying Part of Body Affected	247
Exhibit T,-Fifteen Principal Causes of Death, for 1873-1878	244

	AGE.
Exhibit U,-Deaths from Congestive Chills, and Coincident Meteorology  Exhibit V,-Cerebro-spinal Meningitis, etc., for 1878.	263 261
Exhibit W,—Deaths from Intermittent Fever, and Coincident Meteorology	265
Exhibit X,-Deaths from Typhoid Fever, and Coincident Meteorology	266
Exhibit Y,-Scarlet Fever, by Months, and Coincident Meteorology	272
Exhibit Z,-Deaths in Michigan, in 1878, Compiled as Unknown.	242
Exhibit 1,-Births, Deaths, and Excess of Births Over Deaths, by Months, 1873-1878	xii.
Exhibit 1,-Number and Proportion of Brides and Bridegrooms by Nativity	81
Exhibit 2,—Births in 1878, and Marriages and Deaths in Months of Conceptions	XV.
Exhibit 2,-Births, by Months, for 1875-1878, Corrected for Omissions, Number and Propor-	
tion of,	4
Exhibit 2,—Marriages by Ages, by Sex, and Excess of the Sexes.	90
Exhibit 2,—Relation of Still-births to All Deaths, for 1873-1878.	129
Exhibit 3,—Births, as Corrected for Omissions, Equalized to Uniform Months Exhibit 3,—Children Born in 1877, Died in 1877-1878, Aged under One Year, by Months	132
Exhibit 4,—Months of Birth and of Death of Children Born in 1877, etc	133
Exhibit 5,-Twins, by Nativity and Color of Mothers, for 1876-1878	41
Exhibit 5,-Deaths Aged under One Month, Proportion of to Births, by Months, by Sex	134
Exhibit 6,-Relation of Still-births to all Children Born for each of the Years 1873-1878	52
Exhibit 6,-Number and Per Cent. of Deaths, by Nativity, for 1874-1878	154
Exhibit 7,-Nativity and Color of Mothers of Still-born Children, 1876-1878	52
Exhibit 7,-Deaths, Number of, from each Class of Causes, by Months, 1878	158
Exhibit 8,-Illegitimate Children, number and proportion of, for the Years 1873-1878	56
Exhibit 8,—Five Groups of Causes of Deaths, 1873-1878	160
Exhibit 9,-Illegitimate Children, in 1876-1878, Nativity and Color of Mothers of,	57
Exhibit 9,-Facts Concerning Deaths from Suicide in 1878	
Exhibit 10,—Townships having no Births in 1878, Showing Population in 1874	61
Exhibit 10, - Average Temperature, by Months, for the Years 1869-1878	248
Exhibit 11,—Still-births, Occupations of Fathers of, 1878	55 250
Exhibit 12,—Pressure of Atmosphere, by Months, for the Years 1869-1878	253
Exhibit 13,-Deaths from All Causes, and Coincident Meteorology, for 1869-1878	256
Exhibit 14,-Deaths from All Causes, by Months, and Coincident Meteorology	257
Exhibit 15,-Cerebro-spinal Meningitis, and Coincident Meteorology	202
Exhibit 16,-Deaths from Diarrhea in July and August, and Coincident Meteorology	268
Exhibit 17,-Pneumonia, by Months, for 1872-1878, and Average for 7 Years ending with 1878.	279
Exhibit 18,-Deaths from Pneumonia in Feb. and Mar., 1873-1878, and Colneident Meteorology	275
Exhibit 19,-Deaths from Rheumatism, and Coincident Meteorology	271
Exhibit 20,-Ozone Observations-Day and Night-by Months, for 1872-1878	281
Exhibit 21,-Deaths from Diarrhea, by Months, and Coincident Meteorology	269
Exhibit 22,—Deaths from Cephalitis, by Months, and Coincident Meteorology	264
F.	
Fifteen Principal Causes of Death, 1873-1878	244
Fifteen Principal Causes of Death, in 1878, Number and Per Cent. of Each, to Total Deaths.	243
Finland, Inhabitants to One Marriage in,	102
Five Groups of Causes of Death, 1878	
Foreign-born Mothers of Illegitimate Children	57
France, Inhabitants to One Marriage in,	102
G.	
General Remarks and Statementsvii	viii.
Geographical Divisions of the State, Deaths by, in 1878	163
	284-285
Geographical Divisions, Deaths from Old Age, Aged 70 and Over, Under 5, etc., by, 2	38-289
Grand Haven, Marquette, Detroit, and Escanaba, Mich., Meteorology at, in 1878	255
Great Disparity in Ages of Persons Married	95-97
Greece, Inhabitants to One Marriage in,	102
H.	
	***
Heart, Throat, Brain, Lungs, and Bowels, Discases of,	
Holland, Inhabitants to One Marriage In,	102
Humidity of Atmosphere, by Months, for Different Years	00, 201

1.

PAG	E.
The Contract of the Contract o	35
Illegitimate Children	
	18
	29
Illegitimate Children, Births of, by Counties	60
Inhabitants and Decedents, Average Age of,	
Inhabitants to One Marriage, Annually, in Different Countries	
Inhabitants in 1874, Represented by Births in 1878	
Inhabitants in 1874, Represented by Deaths in 1878.	
Intermittent Fever, Deaths from, in 1878.	25
Intermittent Fever, Typhoid Fever, Diarrhea, Consumption, etc., by Geographical Di-	
visions	85
Intermittent Fever, Typhoid Fever, Diarrhea, Pneumonia, Consumption, by Countles 285-2	87
L.	
Letter of Transmittal of this Volume by the Secretary of State	ii.
Local Diseases158, 159, 163, 164, 168, 174, 178, 184, 19	
Lungs, Brain, Bowels, Throat, and Heart, Diseases of	61
M,	
Males to 100 Females among Births, by Counties	3
	64
	06
	14
Males to 100 Females among Twins	
Marquette, Detroit, Escanaba, Grand Haven, Meteorology at, in 1878.	55
	70.
Marriages, Births, and Deaths for Certain Periods of Time.	
Marriages, Births, Deaths, and Excess of Births Over Deaths, as Returned and as Corrected,	
1873-1878	
Marriages, Births, and Deaths, in 1878, and Population in 1874, by Countiesxviii.xx	
Marriages, Births, and Deaths, Relations of,	-
Marriages, Births, Deaths, Statements Concerning.	
Marriages by Countles, Corrected up to Dec. 20, 1879, for 1872-1877.	
Marriages by Counties and by Months	
Marriages by Age, showing the Excess of the Sexes.	
Marriages at Different Ages, in Periods of Years, by Counties	
Marriages, Manner of Union by Ages 9	
Marriages in Michigan in 1878ix., x., xt., xv. ii., xv. ii., xv. ii., xv. ii., xv. ii., xv. ii., xv. ii., xv. ii., xv. ii., xv. ii., xv. ii., xv. ii., xv. ii., xv. ii., xv. ii., xv. iii., xv. ii., xv. ii., xv. ii., xv. ii., xv. ii., xv. ii., xv. iii., xv. ii., xv. iii.,	02
Marriages in Months of Conceptions of Births 10, 1	11
Marriages by Months, Corrected and Equalized for the Years 1874-1878	
Marriages by Months, in Order of Greatest Number First, for 1875-1878	
Marriages by Periods of Age, by Sex, and Proportion of the Sexes	
Marriages by Quarters of the Year.	
Marriages by Quarters of the Year, as Returned and as Corrected, for 1873-1878	
Marriages with Great Disparity of Ages 95-9	
Massachusetts, Inhabitants to One Marriage in, 10	
Massachusetts, Mich., and Rhode Island, Months of Deaths in, in Order, Greatest No. First. 10	
Measles, Deaths from, in 1878	
Meteorological Conditions and Deaths from Scarlet Fever	
Meteorological Conditions and their Relations to Deaths	
Meteorology and Consumption, by Months. 27  Meteorology and Deaths from Pneumonia, by Months, for 1878	10
Meteorology at Detroit, Escanaba, Grand Haven, and Marquette, Mich., in 1878	
Meteorology, as Related to Deaths from Diarrhea	
Michigan, Death-rate in, 100	
Michigan, Inhabitants to One Marriage in,	2
Mich., Mass., and Rhode Island, Months of Deaths in, in Order, Greatest No. First	
Minnesota, Inhabitants to One Marriage in,	2

	PAGE.
Months, Counties and Sex, Births by,	12-19
Months of Greatest Danger to Life of Child Aged Under One Year	131
Months, Marriages by, by Counties	75-77
Months, Parent-Nativity and Sex, Still-births by,  Months and Periods of Age, Deaths from Ten Specified Causes by,	53
Month, Quarter, Week, Day, Average No. of Births per,	1
Month, Quarter, Week, Day, Average No. of Deaths per,	103
Months, Sex, and Age, Deaths by,	
Month, Week, Day, Quarter, Average Number of Marriages per,	70
Mothers Bearing Still-born Children, Proportion of, by Nativity and Color	51-52
Mothers of Illegitimates in 1876-1878, by Nativity and Color	57
N.	
Nativity of Parents of Children Born, 1873-1878	30
Nativity of Parents of Children Born in 1878	9-38, 69
Nativity of Parents of Twins	40-49
Nativity and Color of Mothers having Still-births, 1876-1878	52
Nativity of Parents of Still-births	53-54
Nativity and Color of Mothers of Twiss, for the Years 1876-1878	41
Nativity of Parents of Illegitimate Children	57-58
Nativity of Persons Married	
Nativity, Deaths by, by Counties	155-157
Nativity, Deaths by, for the Years 1874-1878	154
Native and Foreign-born Inhabitants, Comparative Natural Increase of	xvi.
Nativity, Sex, and Periods of Age of Persons Married, by Counties	84-89
New York City, Inhabitants to One Marriage in,	102
New York, Inhabitants to One Marriage in,	102
Norway, Inhabitants to One Marriage in,	102
Nosological Arrangement of Causes of Death, by Counties	164-193
Number of Births in 1878.	1
Number and Proportion of Births, by Months, as Corrected for the Years 1875-1878	4
Number and Proportion of Births, by Quarters, for the Years 1873-1878	2
Number of Persons Married in 1878, by Age and by Sex	90 75
	98-101
Number of Deaths in 1878	
0.	
Occupations of Decedents Aged 20 and Over, Classified, Aggregate and Average Age, etc	
Occupations of Decedents from Consumption, by Months, Sex, etc	50
Occupations of Fathers of Still-births, 1878.	55
Ohio, Inhabitants to One Marriage in	102
Old Age, Decedents Aged 70 and Over, and Under 5, by Counties	288-291
Old Age, Decedents Aged 70 and Over, Under 5, etc., by Geographical Divisions	
Ozone, Day and Night Observations, by Months, for 1872-1878	281
P.	
Parent-Nativity, Births of 1878	-38, 69
Parent-Nativity of Twins Born in 1878	49, 69
Parent-Nativity, Counties, and Sex, Births by,	
Parent-Nativity of Still-births, 1878	53-54
Parent-Nativity of Illegitimate Children Per Cent. of Births to Population, by Counties.	57-58 21-28
Per Cent. of Births of each Sex to Total of Both Sexes.	20-28
Cent. of Births of Twins to All Mothers, 1876-1878	41
ent. of Deaths at Certain Periods of Age to Deaths at All Ages	
ent. of Deaths in 1878, as Returned, and as Corrected, to Inhabitants in 1874	103
t of Deaths in each Month to Total during Year	107
f Deaths of each Sex to Total of Both Sexes, by Months and by Age	
Peaths of each Color to Total of All Colors.  'aths by Geographical Divisions, by Causes Classified	151
41—1878.	200
11-1010.	

	PAGE.
Per Cent. of Illegitimate Births to All Births, 1873-1878	56
Per Cent. of Mothers of Still-births to All Mothers, 1873-1878	52
Per Cent. of Marriages in each Quarter of the Year, for 1873-1878	71
Per Cent., Nativity, and Number of Brides and Bridegrooms	81
Per Cent. of Persons Married at Corresponding Ages	83
Per Cent, of Still-births to Total Deaths	129
Periods of Age, Deaths by, by Sex, and Proportion of the Sexes	114
Periods of Age, Months, Sex, Deaths by, by Counties	137-149
Periods of Age, Sex, Months, Deaths by,	18, 119
Persons Married, by Color	77
Persons Married, by Counties, Nativity, Sex, and Periods of Age	84-89
Persons Married, in Michigan, by Age, by Sex, and Excess of the Sexes	50
Persons, Number of, who Married those of Another Color	77
Persons Married Under 21 Years of Age, by Counties	
Persons Married with Great Disparity of Ages	
Pneumonia and Consumption, Correlation of, 2	
Pneumonia, Consumption, Typhoid Fever, Diarrhea, etc., by Counties2	
Pneumonia, Deaths from, in 1878	
Pneumonia, Deaths from, by Months, for each of the Years 1872-1878	279
Pneumonia, Deaths from, in Feb. and Mar., and Coincident Meteorology	275
Pneumonia, Typhoid Fever, Consumption, Diarrhea, etc., by Geographical Divisions	
Population in 1874, and Births, Marriages, and Deaths in 1878, by Countiesxviii	
Population in 1874, by Counties, Represented by Births in 1878.	
Population of Townships, not Represented by Births in 1878	61
Pressure of Atmosphere, by Months, for Different Years	
Prevailing Winds, Relative Humidity, Ozone, etc., by Months	254
Frussia, Innabiants to One Marriago in,	702
Q.	
Quarter, Month, Week, Day, Average Number of Births per,	1
Quarter, Month, Week, Day, Average Number of Deaths per,	103
Quarter, Month, Week, Day, Average Number of Marriages per,	70
	10
R.	
Relations of Deaths of Children to Births, by Months	134
Rheumatism, Deaths from, in 1878	
Rhode Island, Mass., and Mich., Months of Deaths in, in Order, Greatest Number first	108
Russia, Inhabitants to One Marriage in,	102
S.	
Saxony, Inhabitants to One Marriage in,	102
Scarlet Fever, Deaths from, in 1878	246, 272
Scarlet Fever, Most Prevalent during Dec., 1878.	272
Secretary of State's Letter of Transmittal of this Volume to the Governorvl	L-vill.
Sex of Children	63
Specified Causes of Deaths, by Months, Sex, and Ages, 1873-1878	194-238
Specified Causes of Death—Ten—by Months, and Periods of Age	245-246
Spain, Inhabitants to one Marriage in,	102
Specified Occupations of Decedents from Consumption	292-307
Still-born Children,	
Still-births, Number and Proportion of, by Nativity and Color of Mothers, 1876-1878	
Still-births, Occupations of Fathers of, 1878	
Still-births, 1873-1878, Proportion of, to Total Births	
Still-births, by Counties	
Still-births, Relation of, to all Deaths.	129
	240-243
Sweden, Inhabitants to One Marriage in,	102
Table of Contents of this Volume	Mer.
	-4
Table I.,—Marriages, Births, Deaths, and Exc.  Table I.,—Births by Quarters of the Year for	
as Corrected	*
Table I., -Marriages by the large of the mach of	71

	PAGE.
Table I., Deaths by Quarters of the Years 1873-1878	104
Table II., Births, Marriages, and Deaths in 1878, and Population in 1874, by Counties xviii	
Table II.,—Births by Months for each of the Years 1873-1878	3
Table II.,—Marriages by Months, in Order of Greatest Number first, for 1875-1878  Table II.,—Deaths by Months, in Order, Greatest Number first, for 1873-1878	74 105
Table III., - Exhibiting the relation between Births in 1878, by Months, and Marriages in	104
Months of their Conceptions.	10
Table III., -Marriages by Counties, by Months	75, 77
Table III Number and Per Cent, of Deaths, by Months, by Sex	106
Table IV.,-Births by Counties, by Months, by Sex	12-19
Table IV.,—Color and Sex of Persons Married.	77
Table IV., -Deaths by Periods of Age, Sex, and Proportion of the Sexes	114
Table V., -Births by Color, by Sex, and Proportion of the Sexes	20
Table V., -Marriages by Counties, by Color	78-80
Table V., - Deaths by Periods of Age, by Sex, by Months	118-119
Table VI.,—Births by Counties, by Color, by Sex	21-28
Table VI.,—Nativity of Persons Married in 1878	82
	120-120
Table VII., -Parent-Nativity of Births in 1878, by Sex, Number, and Proportion	233
Table VII., -Marriages by Periods of Age, by Sex.	88
Table VIII.,—Births by Counties, Parent-Nativity, and Sex	31-38 84-89
PRINCE OF THE PR	130-131
Table IX., -Twin Children, by Pairs and by Individuals, in Order by Months, Greatest first	39
Table IX., - Marriages of Persons under 21 Years of Age, by Counties	91-98
Table IX., - Deaths of Centenarians, Details Concerning,	135
Table X.,-Births of Twins by Parent Nativity, and by Sex.	40
Table X.,-Marriages by Periods of Age, by Sex	94
Table X., - Deaths by Counties, Months, Periods of Age, and Sex	137-149
Table XI., -Parent-Nativity of Twins, by Sex, and Proportion of the Sexes	41
Table XI., -Marriages with Great Disparity of Ages, by Counties	95-97
Table XL,—Deaths by Color, by Sex, and Proportion of the Sexes	151
Table XII., -Births of Twins by Parent-Nativity, Countles, Sex, etc.,	42-49
Table XII., -Marriages 1872-1878, Corrected, by Counties	98-101
Table XII.,—Deaths by Counties, by Color, by Sex	
Table XIII,—Occupations of Fathers of Twins born in 1878	50
Table XIII.,—Deaths by Counties, by Nativity, and Sex	
Table XIV.,—Still-births by Months, by Parent-Nativity, and Sex	158
Table XV.,—Still-born Children, by Parent-Nativity, etc.,	54
Table XV.,—Deaths by Geographical Divisions of the State, by Classes	163
Table XVI.,—Illegitimate Children by Months, Sex, and Parent-Nativity	58
Table XVI.,-Causes of Death-Nosological Arrangement, by Counties	
Table XVII.,-Illegitimate Children by Color, by Sex, and Proportion of the Sexes	50-
Table XVII., -Specified Causes of Death	194-238
Table XVIII.,-Fifteen Principal Causes of Death in 1878.	
Table XVIII.,-Illegitimate Children, Number and Proportion of, by Parent-Nativity	57
Table XIX.,—Details concerning Triplet children	51
Table XIX., - Deaths from Ten Specified Causes	245
Table XX.,-Males to 100 Females among Twins, and Illegitimates and Still-births, by	-
Counties	60
Table XX.,-Per Cent. of Ten Specified Causes of Death in 1878	246
Table XXI.,-Townships from which no Returns of Births were Received, Showing Popula-	600
Table XVI Disrebas and Dysostory Dooths from by Goographical Divisions	62 270
Table XXI.,—Diarrhea and Dysentery, Deaths from, by Geographical Divisions  Table XXII.,—Relation of Conceptions, for Births in 1878 to proportion of each Sex	63
Table XXII,—Correlation of Consumption and Pneumonia, by Months	282
XXIII.,—Conceptions for Births, Corrected, and proportion of the Sexes	64
Correlation of Consumption and Pneumonia by Periods of Age	283
clation between Deaths and Conceptions as Returned, by Months, Equal-	-
	65
sumption, Pneumonia, Typhoid Fever, etc., by Geographical Divisions	284, 285
n between Deaths and Conceptions, as Corrected and Equalized	66
es, Consumption, Pneumonia, Typhoid Fever, etc., by Counties	
between Deaths as Corrected and proportion of Each Sex Conceived	67

PA	GE.
Table XXVI.,-All Causes, Old Age, Aged 70 and Over, and Under 5	-289
Table XXVII.,-Relation of Deaths as Equalized, to Conceptions, and Proportion of Each	
Sex Conceived	68
Table XXVII.,-Old Age, Aged 70 and Over, Deaths at All Ages, etc., by Counties 200	
Table XXVIII., -Boys to 100 Girls among Total Births, Twins, Illegitimates, and Still-births	(2)
Table XXVIII., - Deaths from Consumption, by Occupation, Sex, Months, Periods of Age, etc. 292	
Table XXIX., Occupations of Decedents Aged 20 and Over, Classified 310	
Table XXX.,-Barometric Pressure, Prevailing Winds, etc., by Months	254
Table XXXI., -Temperature at Agricultural College, Great Changes in, etc.	248
Table XXXII.,-Meteorology at Detroit, Escanaba, Grand Haven, and Marquette, Mich	255
Temperature, by Months, and for Different Years, at Agricultural College	
Temperature, by Months, for each of the Years 1869-1878	948
Ten Specified Causes of Death, Number and Per Cent. of,	
The Relations of Births, Marriages, and Deathsxil-	
Throat, Heart, Bowels, Brain, and Lungs, Diseases of,	
Townships Reported as having no Births in 1878.	61
Townships from which no Returns of Births were Received in 1878	62
Townships in which it was Reported that no Deaths Occurred in 1878.	150
Triplet Children born in 1878, details concerning.	-
Twins, Born in 1876-1878, by Nativity and Color of Mothers.	51
	41
Twin Children born in 1878.	
Twin Children, Proportion of the Sexes.  Twins, Illegitimates, and Still-births, Boys to 100 Girls among,	9, 60
	69
Twins, Males to 100 Females, in Order by Months, Greatest first	39
Twins, Occupations of Fathers of,	35
	12-49
	10-41
Typheld Fever, Deaths from, in 1878	
Typhoid Fever, Consumption, Pneumonia, Diarrhea, etc., by Geographical Divisions 284	
Typhoid Fever, Diarrhea, Intermittent Fever, Consumption, etc., by Counties 286	-287
U.	
United States, Inhabitants to One Marriage in,	400
United States, Inhabitants to One Marriage In,	102
v.	
Violent Deaths in Michigan	100
	1 10
W.	
Week, Day, Quarter, Month, Average No. of Births per,	1
Week, Day, Quarter, Month, Average No. of Marriages per,	70
Week, Day, Quarter Month, Average No. of Deaths per,	103
Whooping-cough, Deaths from, in 1878.	
Thoughing cought, Deacus stom, in 1010	-201
Z.	
Zymotic Diseases, Deaths from 1878 158, 159, 162, 164, 165, 174, 175, 184	185



